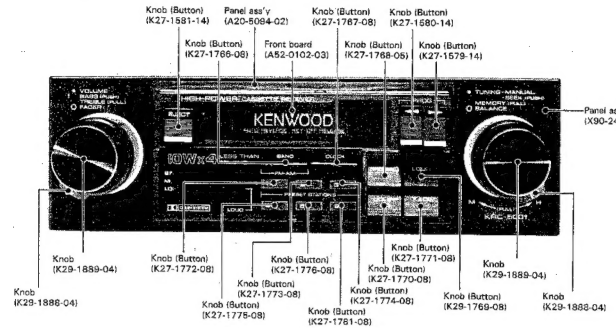
HIGH-POWER CASSETTE RECEIVER

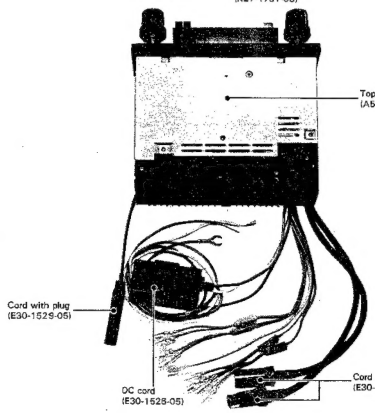
KRC-5001

SERVICE MANUAL

KENWOOD

B51-3139-00(T)952

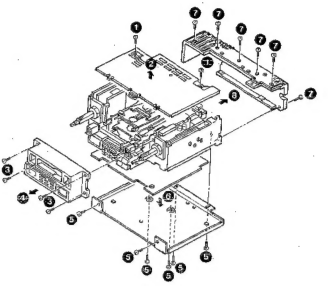




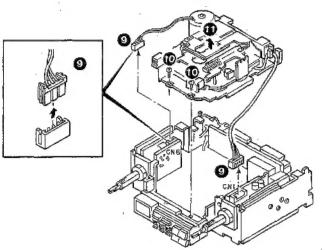
* Refer to Parts List on page 35.

DISASSEMBLY FOR REPAIR

1. Remove 2 screws ❶ retaining the top cover.
2. Remove the top cover in the direction of arrow ❷.
3. Remove 4 screws ❸ retaining the front cover.
4. Remove the front cover in the direction of arrow ❹.
5. Remove 6 screws ❺ retaining the bottom plate.
6. Remove the bottom plate in the direction of arrow ❻.
7. Remove 6 screws ❼ retaining the head sink.
8. Remove the heat sink in the direction of arrow ❽.

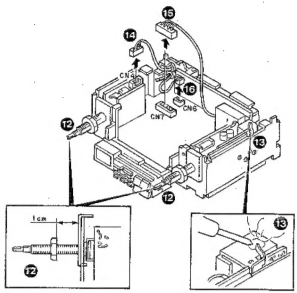


1. Disconnect connectors CN1 and CN6 ❾.
2. Remove 2 screws ❿ retaining the mechanism block.
3. Remove the mechanism block in the direction of arrow ⓫.

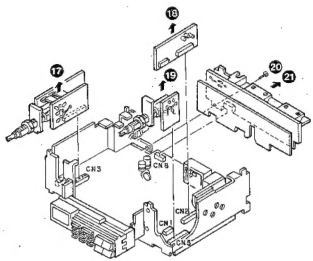


DISASSEMBLY FOR REPAIR

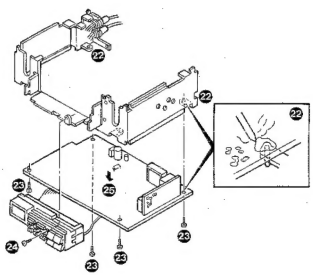
1. Loosen 2 nuts ⑫ retaining the right and left variable resistors by 1 cm.
2. Remove the solder as shown in ⑬.
3. Disconnect connectors CN4 ⑭, CN7 ⑮ and CN6 ⑯.



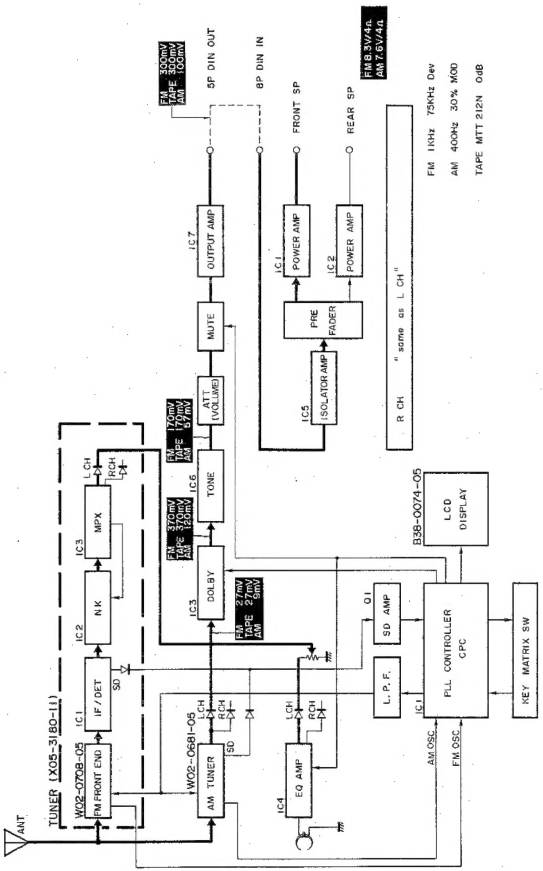
1. Remove right variable resistor ⑰.
2. Remove PC board in the direction of arrow ⑱.
3. Remove left variable resistor ⑲.
4. Remove screw ⑳ retaining the PC board.
5. Remove the PC board in the direction of arrow ㉑.



1. Remove solder from 2 portions ㉒.
2. Remove 4 screws ㉓ retaining the bottom PC board.
3. Remove screw ㉕ retaining the switch block.
4. Remove the bottom PC board in the direction of arrow ㉔.



BLOCK & LEVEL DIAGRAM



CIRCUIT DESCRIPTION

Description of Components

TUNER UNIT (X05-3180-11)

Component	Use & Function	Operation, Condition & Compatibility
IC1	FM IF Detection	
IC2	Noise Cancelier	
IC3	MPX	
Q1	LOCAL/DX SW	
Q2, 3	IF Gain	
Q5	ANRC Buff.	
Q6	CRSC Driver	

CONTROL UNIT (X11-2340-10)

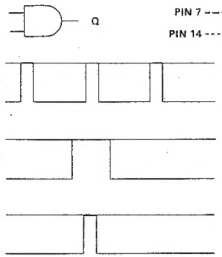
Component	Use & Function	Operation, Condition & Compatibility
IC1, 2	Power amp	
IC3	DOLBY B	Hitachi HA120476 H-IC.
IC4	TAPE EQ	MET switch, MUTE circuit built-in.
IC5	T.ADV	For blank detection.
IC6	TONE	Tone control H-IC.
IC7	PRE OUT AMP	D IN OUT.
Q1	T.ADV PL driver	
Q2	T.ADV SW	
Q3, 4	LOUDNESS SW	
Q5, 6	POWER IC standby SW	

SYNTHESIZER UNIT (X14-2010-10)

Component	Use & Function	Operation, Condition & Compatibility
IC1	Microprocessor	
IC2	T.CALL control	T.CALL, T.ADV, DOLBY and MUTE control.
IC3	Key input control	FWD/REV, ST lamp and SD T/R switch.
IC4	Key matrix	UP/DOWN, MEMORY and SEEK input switch.
IC5	Isolation amp	For power amp input.
Q1	SD signal inverter	ON when SD is present.
Q2	MET SW	OFF for MET ON.
Q3	TAPE muting	Muting for TAPE EQ IC.
Q4	Muting driver	
Q5	T.ADV SW	ON for T.ADV.
Q6	FM + B SW	ON for FM.
Q7	AM + B SW	ON for AM.
Q8, 9	Radio switch	AM/FM/TAPE switching.
Q10, 11	Regulator	Regulated power supply for 9 V line.
Q12	Chip Enable	Microprocessor operation ON/OFF.
Q13	AVR	Vop 5 V power supply.
Q14, 15	LPF	
Q16	LPF gain SW	ON for FM.
Q17, 18, 20	Muting	Signal line muting.
Q19	TAPE mode SW	ON for TAPE mode.
Q21, 22	Power control	For standby of POWER IC.

CIRCUIT DESCRIPTION

AND-GATE For CPU Key Matrix
Operation Description



CPU Key Matrix Operation

The source clock from the CPU is input to A-input via the AND-GATE at any time to apply the control signal to B-input.
When the signal is input to B-input, the output Q goes high and input as the CPU key input. When the B-input is low level, output Q is always low. Output Q is synchronized with input A.

Synthesizer Unit μ-Com: μPD 1708G

FUNCTION OUTLINE
Receiving frequency, Channel spacing, Reference frequency, Intermediate frequency

FM band

Frequency range	Channel spacing	Reference frequency	Intermediate frequency
87.50~108.0 MHz	* 50 kHz	12.5 kHz	10,700

*MANUAL 25 kHz

AM band

Frequency range	Channel spacing	Reference frequency	Intermediate frequency
522~1611 kHz	9 kHz	9 kHz	450 kHz
153~281 kHz	* 9 kHz	1 kHz	450 kHz

*MANUAL 1 kHz

Tuning Function

(1) Auto Tuning (Sawtooth wave mode)
Seek Up: Once a station is tuned, it is held tuned.
(2) Manual Tuning (Sawtooth wave mode)
Manual Up/Down: Frequency is advanced up or down in steps by pressing the push switch.
Pressing for a half second or more advances it up or down continuously until the switch is released.
(3) Preset Memory Recall
6 stations on each FM, MW, and LW band can be preset independently with the 6 buttons. The last station is stored in memory for each band when power is turned off.

Tape Function

(1) Tape running indicator
(2) METAL control

Radio Function

(1) MONO control

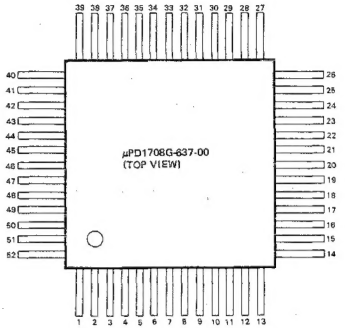
Other Functions

(1) LOUDNESS control

CIRCUIT DESCRIPTION

TERMINAL DESCRIPTION

Terminal Configuration (Top View)



Pin No.	Pin Name	Pin No.	Pin Name
1	LCD4	27	KS_1 (PB_1)
2	LCD3	28	KS_0 (PB_0)
3	LCD2	29	BANDZ/N.R
4	LCD1	30	METAL-LOC
5	COM2	31	LOUDNESS
6	COM1	32	*
7	V_{DD}	33	*
8	FM	34	*
9	AM	35	*
10	GND	36	*
11	EO_1	37	*
12	EO_2	38	LCD19
13	CE	39	LCD18
14	*	40	LCD17
15	XI	41	LCD16
16	XO	42	LCD15
17	AF MUTE (PA_3)	43	LCD14
18	BAND 1 (PA_2)	44	LCD13
19	KS_2/K_4 (PA_1)	45	LCD12
20	KS_4/K_4 (PA_1)	46	LCD11
21	K_3	47	LCD10
22	K_2	48	LCD9
23	K_1	49	LCD8
24	K_0	50	LCD7
25	KS_3 (PB_3)	51	LCD6
26	KS_1 (PB_2)	52	LCD5

* Not used.

CIRCUIT DESCRIPTION

Pin description

Pin No.	Symbol	Pin Name	Description
1~4 ⋮ 34~52	LCD1 ⋮ LCD23	LCD segment signal	LCD segment signal output pin (1/2 duty, 1/2 bias LCD should be used. Frame frequency: 100 Hz, Drive voltage: VDD)
5 6	COM2 COM1	LCD common signal	LCD common signal output pin
7 33	V_{DD}	Power input	Device power supply pins During device operation, 5 V ±10% voltage is supplied via these pins. Either of them can be used for supplying the power individually. The rising time of VDD should be less than 500 ms (0 to 4.5 V). When the rising time is too long, or when the VDD is not lowered completely to 0 V and then raised to 4.5 V from the voltage lower than the operating rate, the diode switch condition for initialization is not read out correctly. In such cases, use the CE pin so that the diode switch status can be read out for initialization.
8	FM	FM VCO input	This pin inputs the FM station output signal. Since it incorporates the AC amp, cut the DC signal with the capacitor.
9	AM	AM VCO input	This pin inputs the AM station output signal. Since it incorporates the AC amp, cut the DC signal with the capacitor.
10	GND	Ground	Connect to the ground terminal of the set.
11	EO_1	Error Out	Charge pump output of the phase detector consisting of PLL. When the frequency divided by the oscillating frequency is higher than the reference frequency, these pins output high level signals, and when it is lower than the reference frequency, they go low. When the frequency (divided by the oscillating frequency) is coincided with the reference frequency, it enters into the floating status.
13	CE	Chip Enable	This pin is used to input the selected signal from the device. When operating the PLL section, this pin goes high, and when the PLL section is stopped, it goes low. When at low level, the display goes off. However, a low level signal below 134 µs or high level signal is not accepted.
15 16	XI XO	Crystal resonator	Connectors of the crystal resonator. Connect the 4.5 MHz crystal resonator.
17	AF MUTE	Mute Out	This pin outputs the muting signal to eliminate shock noise when the PLL is unlocked and pop noise when switching between Tape and Radio, and is active low. (CMOS output) For timing details, refer to the AF Mute Out Timing Chart. When the CE pin is low, this pin is active low.
18	$BAND_1$	Band Out	FM/MW switching output pin FM: High MW: Low When the MODE switch is set to "1" (Tape mode), this pin is low. When the SDK is provided, follow the SDK section.
19	KS_4/K_4	Key return signal source and Key return signal input	This becomes the source of key return signal to read out the diode matrix for initialization only when the power is turned on for the first time (rising time of VDD) or when the set is returned from the back-up condition (CE: Low to High). Then, this inputs the key return signal for the key matrix. Insert the pull-down resistor. (CMOS input/output)
20	KS_4/K_4	Key return signal source and Key return signal input	This becomes the source of the key return signal to read out the diode matrix for initialization only when the power is turned on for the first time (VDD rising time) or when returning from the back-up condition (CE goes high from low). Then, this inputs the key return signal for the key matrix. Insert the pull-down resistor. (CMOS input/output)
21 ⋮ 24	K_1 ⋮ K_{III}	Key return signal input	This pin inputs the key return signal for the key matrix. Insert the pull-down resistor. (CMOS input)
25 ⋮ 28	KS_1 ⋮ KS_{II}	Key return signal source	This pin outputs the key return signal for the key matrix. Since the synchronous current is greatly lowered because of its configuration, the reverse-current prevention diode will be not necessary for the key source side. (CMOS output)
30	METAL/DX/LOC	LOC Out	In radio mode: DX/Local On/Off output pin When "LOC" is displayed on the LCD panel, high level signal is output. When it is not lit, low level signal is output. (When the power is turned on, low level status is initialized.) In tape mode: METAL On/Off output pin When "METAL" is displayed on the LCD panel, low level signal is output. When it is not lit, high level signal is output. On initialization when the tape power is turned on, high level is output.

CIRCUIT DESCRIPTION

Pin No.	Symbol	Pin Name	Description
31	LOUDNESS	Loudness Out	LOUDNESS output pin When "LOUD" is displayed on the LCD panel, low level signal is output. When it is not lit, high level signal is output. When the power is turned on first (VDD rising time), low level signal is output. (CMOS output)
32			DOLBY output pin When "DOLBY" is displayed on the LCD panel, high level signal is output. When it is not lit, low level signal is output. On initialization when the power is turned on, low level is output.

BAND2/NR

When Band A is "0" or "1" and the NR selector is "1", this functions as the NR on/off output pin. When "NR" is displayed on the LCD panel, high level signal is output.
When it is not lit, low level signal is output.
This pin can be operated in the TAPE/RADIO mode.
On initialization when the power is turned on, this pin is at low level.
When BAND A is "0", "1" and the NR selector is "0", this function as the WIDE-ADV on/off output pin.

- **In the Radio mode:**
  This functions as the WIDE on/off output pin.
  When "WIDE" is displayed on the LCD panel, high level signal is output, and when it is not lit, low level is output.

- **In the Tape mode:**
  This functions as the ADV on/off output pin.
  When "ADV" is displayed on the LCD panel, high level signal is output, while it is not lit, low level is output.
  On initialization when the power is turned on first, it is at low level.

When BAND A is "0" and the NR selector is "0" (SDK operation is normal only when in this status), and BAND B is "1", this pin functions as the BAND 2 output. BAND 2 becomes the band switching output port in combination with BAND 1.

Mode \ Output	BAND 1	BAND 2
MW	L	L
FM	H	L
LW	L	H
SDK	H	H

CIRCUIT DESCRIPTION

1. KEY MATRIX CONFIGURATION

1-1. Key Matrix Layout

Input pin / Output pin	K_5 (19)	K_4 (20)	K_3 (21)	K_2 (22)	K_1 (23)	K_0 (24)
KS_5 (28)	SEEK DOWN	SEEK UP		LOUDNESS	MTL	MONO
KS_1 (27)	MD	MU	M4	M3	M2	M1
KS_2 (26)	ME	SDK	M6	M5		BAND
KS_3 (25)		SK	MODE	SD	ST	FDW/REV
KS_4 (20)			CLK/FRQ	NR SEL	BAND B	
KS_5 (19)			BAND A	PRIORITY	BAND C	CLKSEL

The number in the bracket shows the pin no.

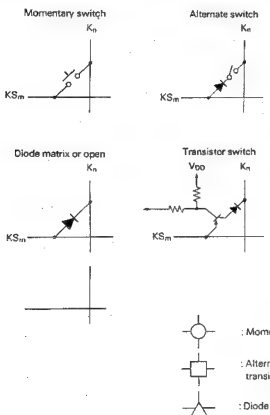
: Momentary switch

: Diode matrix (closed/opened by diode)

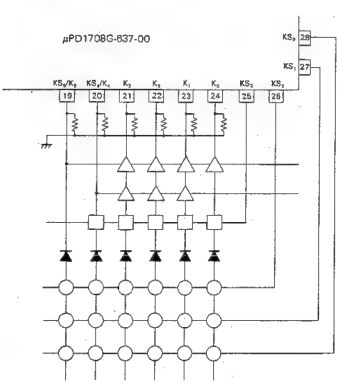
: Alternate switch or transistor switch

: Open

1-2. Switch Connection



1-3. Key Matrix Connection



CIRCUIT DESCRIPTION

2. KEY MATRIX DESCRIPTION

2-1. Diode Matrix for Initialization

The diode matrix for initialization has the following five status. All status is read out only when the power is supplied to the V_{DD} for the first time (Power-ON, Reset) and when the CE pin goes high from low level (CE Reset), in another periods, the diode matrix status is ignored.

(1) The switch for setting the receiving frequency range and the channel spacing:
BAND A

(2) Clock signal select switch:
CLKSEL

(3) Priority select switch for display:
PRIORITY

(4) —

(5) NR select switch:
NR SEL

(6) CLOCK/FREQUENCY select switch:
CLOCK/FRQ

(7) LW select switch:
BAND B

Symbol	Function Description
BAND A	This switch is used for setting the receiving frequency range for each FM/MW/LW band channel spacing. Each setting status is as follows: BAND A / Frequency Range / Channel Spacing / Manual Step 1 / 87.9~107.9 MHz / 200 kHz / — 1 / 530~1620 kHz / 10 kHz / — 0 / 87.5~108.0 MHz / 50 kHz / 25 kHz 0 / 522~1611 kHz / 9 kHz / —
PRIORITY	When the clock function is provided, this switch selects the priority mode for display. When the display which does not have priority is recalled, the mode having priority will be displayed after approx. 5 seconds. "1": No priority "0": Priority is provided.
CLKSEL	Select switch to provide the clock function or not. "1": Clock is not provided (For back-up, RAM is not cleared) "0": Clock is provided.
NR SEL	Select switch to provide the NR (noise reduction) function. "0": NR is not provided (WIDE-ADV and BAND 2 output pin) "1": NR provided
CLOCK/FRQ	Select switch to provide priority to the clock or frequency for display (Depending on PRIORITY) "0": Frequency "1": Clock
BAND C	Switch to access the preset memory (M1 to M6) sequentially "0": M1 to M6 keys are preset independently "1": Each time the M1 key is pressed, preset memory is sent sequentially M_1 ---- M_6

CIRCUIT DESCRIPTION

2-2. Mode Select Switches

Unlike the initializing switches, these switches can be changed at any times. (On the following table, "1" shows switched ON, "0" shows switched OFF.)

Symbol	Function Description
MODE	Set the unit to RADIO mode or TAPE mode. "1": TAPE mode "0": RADIO mode
SD	In the RADIO mode: This is the Station Detector input in SEEK or SCAN mode. This should be set to OFF within approx. 50 ms after the PLL is locked. When every times are OFF by detecting the station every 1 ms, the station is recognized as received and the seeking or scanning operation stops.
STEREO	In the RADIO mode: (Only for FM reception) Stereo signal input switch. When this switch turns OFF, "ST" is displayed on the LCD panel. However, "ST" goes off in the Auto Tuning mode (AF-MUTE pin is active) even if this switch is OFF.
FOW/REV	In the Tape mode: Tape running direction indicator input switch. When this switch turns ON, the "REV" (◀) is displayed on the LCD panel. When it turns OFF, the "FOW" (▶) is displayed. This switch functions only when the CE pin is high and the MODE switch is "ON" (Tape mode).

2-3. Momentary Switches

Symbol	Function Description
MU MD	These keys are used for manual tuning and time adjustment. ● Frequency display Each time the key is pressed, the displayed frequency is advanced up (by MU key) or down (by MD key) by 1 step (channel spacing set). When it is pressed for a half second or more, the frequency is advanced rapidly (continuously) until it is released. ● Clock (time) display While pressing the ME key, press the MD key to adjust the time, and press the MU key to adjust minutes.
M1 \ M6	In the Radio mode: These keys are used to write or recall the preset memory. FM, MW and LW bands can be stored independently into each key in memory. (1) When writing With the frequency display, within five seconds after pressing the ME key, press one key (M1 to M6), to store the frequency currently received into memory. (2) When recalling When one key (M1 to M6) is pressed, the memory content (frequency) corresponding to the key pressed is recalled. When the radio is turned on after the VDD is first turned on, the lowest frequency on the FM band is recalled. When shipped, the following frequencies are preset into M1 to M6 key for adjustment at the factory.

Band \ Preset Memory Key / Frequency Range		M1	M2	M3	M4	M5	M6
FM	87.9～107.9 MHz	87.9	90.1	98.1	106.1	107.9	87.9
	87.50～108.00 MHz	87.50	90.1	98.1	106.1	108.00	87.50
MW	530～1620 kHz	530	600	1000	1400	1620	530
	522～1611 kHz	522	603	999	1404	1611	522

CIRCUIT DESCRIPTION

Symbol	Function Description
M1 | M6	These keys are used to write and recall the preset memory. Each FM, MW and LW frequency can be stored into one key in memory independently. However, the number of available bands differ with the area designated by the initializing diode matrix, as follows: For the area only 2 bands are available: 6 stations × 2 = 12 stations For the area 3 bands are available: 6 stations × 3 = 18 stations Corresponding to the preset key pressed, the "CH" indicator and " " (channel number) are displayed on the LCD panel.
SEEK UP/DOWN	These keys are used for automatic tuning. During auto tuning operation, when the SD switch is turned OFF, the frequency displayed at the time is kept on hold. In auto tuning mode, the auto tuning operation is continued even when the LOUDNESS, ME, NR, METAL-DX/LOC, or MONO-DOLBY key is pressed. When one of the other keys is pressed, the auto tuning operation is stopped, and the unit enters the operation of the key pressed. When the SEEK key is pressed again, the frequency before the SEEK operation is resumed.
DX/LOC — MTL	This key is used to select the function between DX/LOC — MTL. ● In the Radio mode: Each time the key is pressed, the LOC output pin and the "LOC" display on the LCD panel are inverted. When the "LOC" display on the LCD panel, high level signal is output from the LOC Out pin, and when it is not lit, low level is output. ● In the Tape mode: Each time the key is pressed, the LOC output pin and the "MTL" display are inverted. When the "MTL" is displayed on the LCD panel, low level signal is output from the LCD Out pin, and when it is not lit, high level is output. By initialization when the power is turned on, high level signal is output.
ME	This key is used for writing the preset memory. It is also used for adjusting the time on clock display. ● Frequency display: Used when writing a new frequency into the preset memory. When this key is pressed, the "ME" is displayed on the LCD panel, and lit for five seconds after the key is released. While the "ME" is lit, pressing one key (M1 to M6) stores the displayed frequency into memory corresponding to the key pressed. To cancel the preset memory, while the "ME" is lit, press any key other than ME, NR, METAL-DX/LOC, MONO-DOLBY, or LOUDNESS. ● Clock display: The "hour" and "minutes" can be adjusted by pressing the MD or MU key while pressing the ME key. After pressing the ME key, each time the MD key is pressed, the "hour" is advanced one by one. Pressing it for a half second or more advances the time by 4 hours/sec continuously until the MD key is released. This operation does not affect the "minute" or "second" digits (they are not displayed during this operation). After pressing the ME key, each time the MU key is pressed, the "minute" is advanced one by one. Press it for a half second or more advances the minute in 8 minutes/sec speeds continuously, until the MU key is released. The "second" is not displayed, however, it is reset to zero every time the "minute" is set. The "minute" adjusting does not affect the "hour". ("Hour" is not changed even when the "minute" exceeds 60.) (During clock display, pressing the ME key alone changes the display to frequency and "ME" is displayed. In this condition, pressing one of the preset keys (M1 to M6) stores the frequency into the memory corresponding to the key pressed.)
BAND	This key is used to select the band. When Band A is "0" or "1" and Band B is "0" (LW: Not available) . . . Each time this key is pressed, the band is changed in the order of FM — MW — FM . . .
LOUDNESS	Used for Loudness select key. Each time this key is pressed, the loudness output pin and the "LOUD" display on the LCD panel are inverted. When the "LOUD" is displayed on the LCD panel, low level signal is output from the Loudness pin and when it is not lit, high level is output. By initialization when the power is first turned on (rising time of VDD), "LOUD" is displayed and low level is output.

CIRCUIT DESCRIPTION

Symbol	Function Description
RCAL	Display select key. Available only when in the radio mode. When this key is pressed, the display is changed from the clock display to frequency or vice versa. However, five seconds after the key is pressed, the display is restored to the priority mode (depending on the diode matrix PRIORITY). When the clock is not provided (CLKSEL=0), this key has no effect. However, the clock display is resumed by the PRIORITY switch when the display priority is provided. a) ON: Priority is provided b) OFF: No priority
N.R	(1) NR key (RADIO/TAPE common key) (2) WIDE-ADV key (Independent RADIO/TAPE key) (1) NR key: BAND A: "0", "1" NR SEL: "1" With the above status, this key is used as the NR select key. Each time the key is pressed, the BAND2/NR output pin and "NR" display on the LCD panel are inverted. When "NR" is displayed on the LCD panel, the BAND2/NR pin outputs the high level, and when the display is not lit, low level is output. (By initialization when the power is turned on, it outputs low level.) (2) WIDE-ADV key: BAND A: "0", "1" NR SEL: "1" With the above status, this key is used as the WIDE-ADV select key. In the Radio mode: Used as the WIDE select key. Each time the key is pressed, the BAND2/ADV output pin and the "WIDE" display on the LCD panel are inverted. When the "WIDE" is displayed on the LCD panel, the BAND2/ADV pin outputs the high level, and when the display is not lit, low level is output. On Tape mode: Used as the ADV select key. Each time the key is pressed, the BAND2/NR output pin and the "ADV" display on the LCD panel are inverted. When the "ADV" is displayed on the LCD panel, the BAND2/NR pin outputs the high level. When the display is not lit, the low level is output. (By initialization when the power is turned on, low level is output.) Note: When the following status is selected in the diode matrix, the NR key and the WIDE-ADV key are not effective. NR SEL: "0" BAND A: "0" BAND B: "1"
M5 BAND	This key is used for setting the received frequency range for FM/MW/LW band and the channel spacing. 1. By initialization when the power is turned on, the receiving frequency and channel spacing are registered by the diode of BAND A. Then, when the CE pin goes "L"→"H", or vice versa, they follow the diode of BAND A. 2. When the CE pin is inverted to high from low while pressing the M5 key and the BAND key together, the band setting of BAND A is changed from "1" to "0" or from "0" to "1". Then, when the CE pin is inverted to "L"→"H", or vice versa, the changed area setting is maintained. 3. When the CE pin is inverted from low to high while pressing the M5 key and BAND key together, the band setting follows the diode of BAND A. Then, when the CE pin is inverted from "L"→"H", or vice versa, it follows the diode of BAND A, too. 4. To change the setting by the M5 key and the BAND key, repeat procedure 2 and 3. Note: On initialization when the power is turned on, the M5 key and the BAND key are ignored even when they are pressed, and the setting is followed to the diode.

ADJUSTMENT

Set the controls and switches as follows.

BALANCE	: center position	LOUD	: OFF	LOCAL	: OFF
FADER	: center position	T-ADV	: OFF	AUTO	: OFF
BASS	: center position	METAL	: OFF		
TREBLE	: center position	DOLBY NR	: OFF		

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION							
1	DISCRIMINATOR	(A) 98.1MHz 0 dev 60dBμV(ANT input)	Connect the DC voltmeter between pins of TP1.	FM 98.1MHz	T1 (X05-)	0V	
2	PILOT CANCELLER	(A) 98.1MHz 0 dev Pilot:±7.5kHz dev 60dBμV(ANT input)	(B)	FM 98.1MHz	VR7 (X05-)	Minimum output	
3	SEPARATION	(C) 98.1MHz 1kHz±67.5kHz dev Pilot:±7.5kHz dev Selector:L or R 60dBμV(ANT input)	(B)	FM 98.1MHz	VR2 (X05-)	Adjust it so that the crosstalk from L to R and R to L become minimum.	
4	ANRC	(C) 98.1MHz 1kHz±67.5kHz dev Pilot:±7.5kHz dev Selector:L or R 1.60dBμV(ANT input) 2.55dBμV(ANT input) 3.30dBμV(ANT input) 4. 1~3	(B)	FM 98.1MHz	VR3 (X05-) VR3 (X05-) VR1 (X05-)	a. Optimum separation. b. The value approx. -1dB below the above level. c. 10dBμV separation. d. Repeat a to c until the most optimum separation is obtained.	
5	STOP LEVEL	(A) 98.1MHz 0 dev 20dBμV(ANT input)	–	FM 98.1MHz		STOP	
6	SOFT MUTE (1)	(A) 98.1MHz 1kHz±75kHz dev 60dBμV(ANT input)	(B)	FM 98.1MHz		Set the volume to 0 dBs.	
7	SOFT MUTE (2)	ANT OPEN (No Signal)	(B)	FM 98.1MHz		-25dBs	
AM SECTION							
1	STOP LEVEL	(D) 990kHz 400Hz,30% mod 35dBμV(ANT input)	–	AM 999kHz	VR1 (X14-)	STOP	
CASSETTE DECK SECTION							
1	AZIMUTH	MTT-114(10kHz)	(B)	TAPE PLAY	Head Azimuth screw	Adjust the azimuth for each L-CH/R-CH or FOR/REV becomes maximum.	

REGLAGES

Régler les controles et les boutons comme suit.

BALANCE	: position centre	LOUD	: OFF	LOCAL	: OFF
FADER	: position centre	T-ADV	: OFF	AUTO	: OFF
BASS	: position centre	METAL	: OFF		
TREBLE	: position centre	DOLBY NR	: OFF		

N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DU RECEIVER	POINTS DE L'ALIGNEMENT	ALIGNER POUR	FIG.
SECTION MP							
1	DISCRIMINATEUR	(A) 98.1MHz 0 dév 60dBμV(Entrée ANT)	Connecter le voltmètre CC entre les broches de TP1	FM 98.1MHz	T1 (X95-)	0V	
2	ANNULATEUR PILOTE	(A) 98.1MHz 0 dév Pilote:7.5kHz dév 60dBμV(Entrée ANT)	(B)	FM 98.1MHz	VR7 (X95-)	Sortie minimum	
3	SEPARATION	(C) 98.1MHz 1kHz±67.5kHz dév Pilote:±7.5kHz dév Sélecteur:L ou R 60dBμV(Entrée ANT)	(B)	FM 98.1MHz	VR2 (X05-)	L'ajuster pour que la diaphonie de L à R et de R à L devienne minimum.	
4	ANRC	(C) 98.1MHz 1kHz±67.5kHz dév Pilote:±7.5kHz dév Sélecteur:L ou R 1. 60dBμV (Entrée ANT) 2. 55dBμV (Entrée ANT) 3. 38dBμV (Entrée ANT) 4. 1~3	(B)	FM 98.1MHz	VR3 (X05-) VR3 (X05-) VR1 (X05-)	a. Séparation optimum. b. Valeur approximative -1 dB en-dessous du niveau ci-dessus. c. Séparation 10 dB. d. Répéter a à c jusqu'à ce que la séparation optimum soit obtenue.	
5	NIVEAU D'ARRET	(A) 98.1MHz 0 dév 20dBμV(Entrée ANT)	–	FM 98.1MHz		ARRET	
6	SILENCIEUX DOUX (1)	(A) 98.1MHz 1kHz±75kHz dév 60dBμV(Entrée ANT)	(B)	FM 98.1MHz		Régler le volume sur 0 dB.	
7	SILENCIEUX DOUX (2)	ANT OUVERT (pas de signal)	(B)	FM 98.1MHz		-25dBs	
SECTION MA							
1	NIVEAU D'ARRET	(D) 990kHz 400Hz. 30% mod 25dBμV(Entrée ANT)	–	AM 990kHz	VR1 (X14)	ARRET	
SECTION PLATINE A CASSETTE							
1	AZIMUT	MTT-114(10kHz)	(B)	LECTURE DE BANDE	Vis d'azimut de tête	Ajuster l'azimut pour que chaque canal L/canal R ou FOW/REV devienne maximum.	

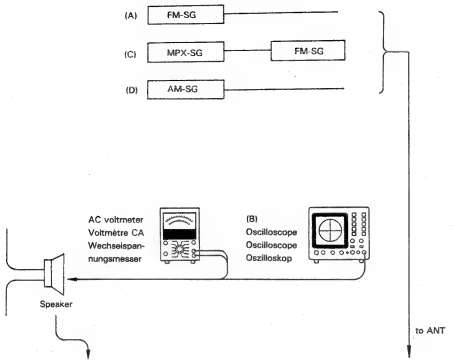
ABGLEICH

Die Regler und Knöpfe wie folgt einstellen.

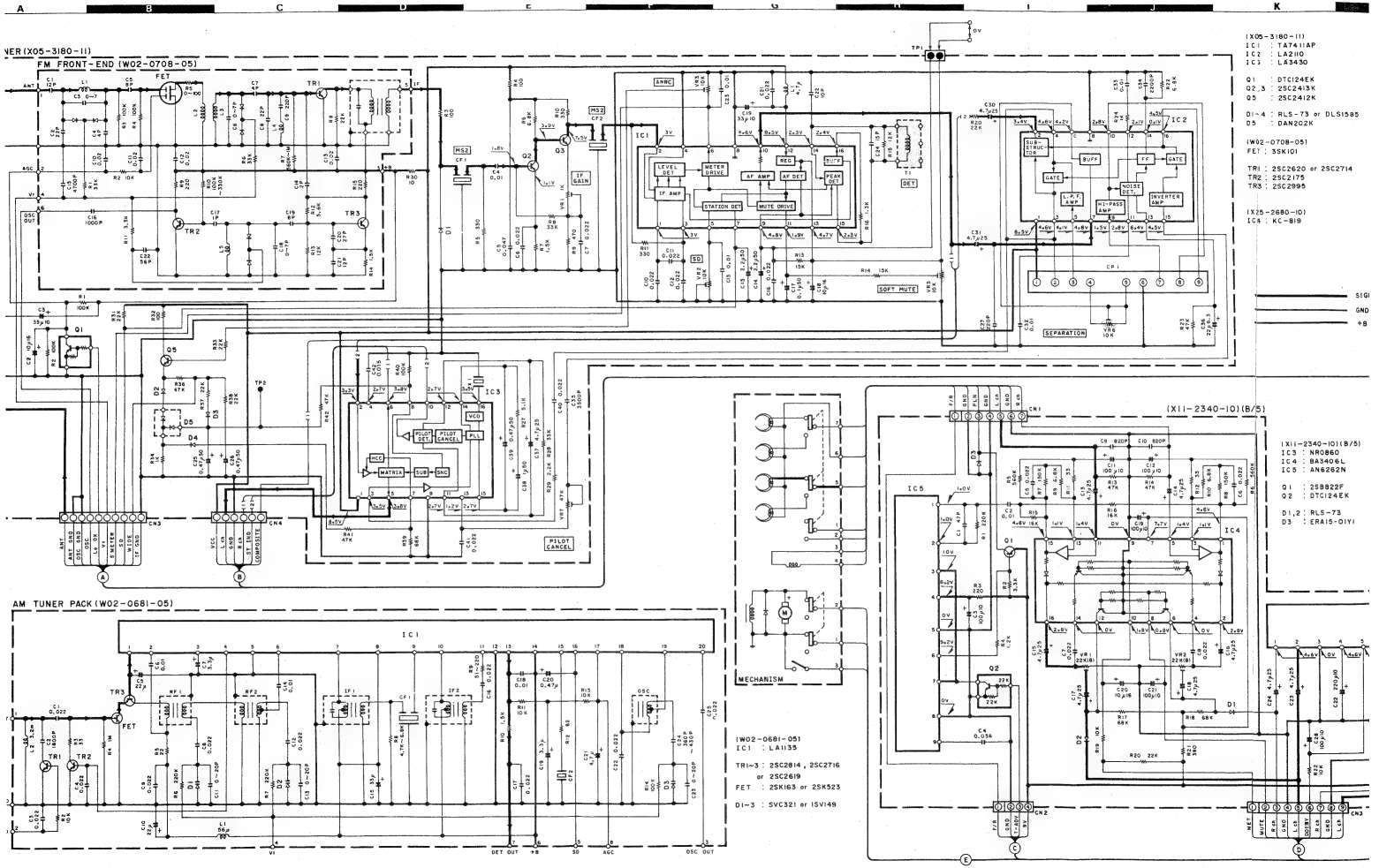
BALANCE	: Mittelage	LOUD	: OFF	LOCAL	: OFF
FADER	: Mittelage	T-ADV	: OFF	AUTO	: OFF
BASS	: Mittelage	METAL	: OFF		
TREBLE	: Mittelage	DOLBY NR	: OFF		

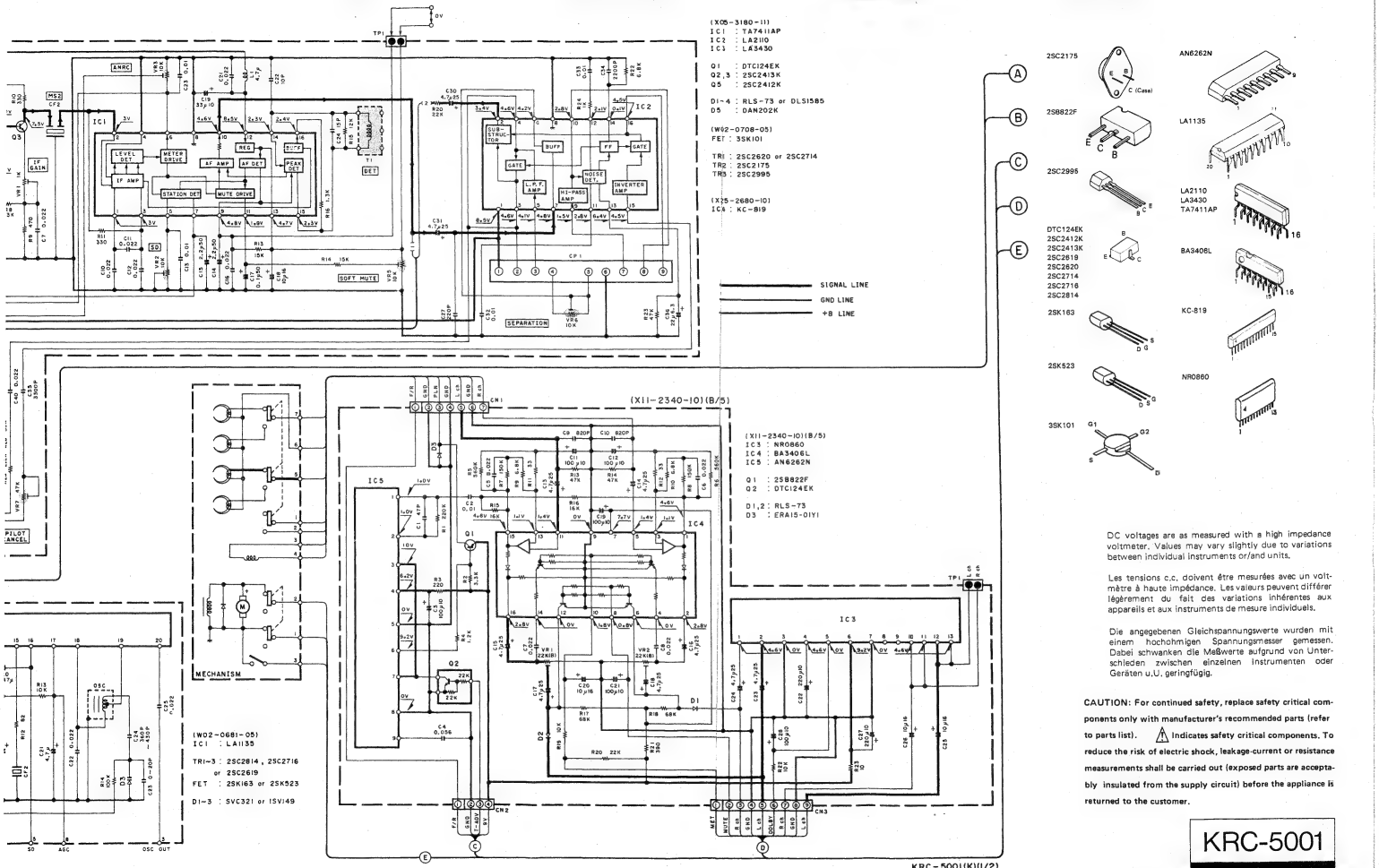
NR.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	RECEIVER-EINSTELLUNG	ABGLEICH PUNKTE	ABGLEICHEN FUR	ABB.
UKW-ABTEILUNG							
1	DISKRIMINATOR	(A) 98.1MHz 0 Hub 60dBμV(ANT-Eingang)	Den Gleichstrom-Voltmesser zwischen den TP1-Stiften anschließen.	FM 98.1MHz	T1 (X05-)	DY	
2	PILOTZEICHEN-LOSCHER	(A) 98.1MHz 0 Hub Pilot:±7.5kHz Hub 60dBμV(ANT-Eingang)	(B)	FM 98.1MHz	VR7 (X05-)	Minimaler Ausgang	
3	TRENNUNG	(C) 98.1MHz 1kHz±67.5kHz Hub Pilot:±67.5kHz Hub Wahler:L oder R 80dBμV(ANT-Eingang)	(B)	FM 98.1MHz	VR2 (X05-)	So einstellen, daß das Übersprechen von L nach R und von R nach minimal ist.	
4	ANRC	(C) 98.1MHz 1kHz±67.5kHz Hub Pilot:±7.5kHz Hub Wahler:L oder R 1. 60dBμV (ANT-Eingang) 2. 35dBμV (ANT-Eingang) 3. 30dBμV (ANT-Eingang) 1. 1~3	(B)	FM 98.1MHz	VR3 (X05-) VR3 (X05-) VR1 (X05-)	a. Optimale Trennung. b. Der Wert liegt etwa -1 dB unter dem obigen Wert. c. Trennung 10 dB. d. Die Schritte a bis c wiederholen, bis die optimale Kanaltrennung erreicht ist.	
5	STOPPEGEL	(A) 98.1MHz 0 Hub 20dBμV(ANT-Eingang)	–	FM 98.1MHz		STOP	
6	WEICHE DAMPFUNG (1)	(A) 98.1MHz 1kHz±75kHz Hub 60dBμV(ANT-Eingang)	(B)	FM 98.1MHz		Die Lautstärke auf 0 dB einstellen.	
7	WEICHE DAMPFUNG (2)	ANT OPEN (Kein Signal)	(B)	FM 98.1MHz		-25dBs	
MW-ABTEILUNG							
1	STOPPEGEL	(D) 990MHz 400Hz, 30% mod 35dBμV(ANT-Eingang)	–	MW 990kHz	VR1 (X14)	STOP	
CASSETTEN-DECK-ABTEILUNG							
1	AZIMUT	WTT-114(10kHz)	(B)	CASSETTEN-WIDERGABE	Tonkopf Azimut Schraube	Maximal auf Maximierung von L-CH/R-CH oder FOR/REV einstellen.	

ADJUSTMENT/REGLAGES/ABGLEICH



KRC-5001


A
B
C
D
K
VER (X05-3180-11)
FM FRONT-END (W02-0708-05)
FET
TR1
TR2
TR3
IC1
IC2
IC3
Q1
Q2
Q3
Q5
D1
D2
D3
D4
D5
CF1
CF2
D1
AMRC
LEVEL DET
METER DRIVE
1F AMP
STATION DET
AF AMP
AF DET
REC
MUTE DRIVE
PEAK DET
DET
SUB-CARRIER
BUFF
FF
GATE
L.P.F. AMP
NOISE DET.
HI-PASS AMP
INVERTER AMP
SOFT MUTE
SEPARATION
PILOT CANCEL
PILOT DET.
VCO
PLL
MATRIX
SUB
SNC
CN1
CN2
CN3
CN4
CP1
TP1
TP2
MECHANISM
AM TUNER PACK (W02-0681-05)
DET OUT
AGC
OSC OUT
(X05-3180-11)
IC1 : TA7411AP
IC2 : LA2110
IC3 : LA3430
Q1 : DTC124EK
Q2,3 : 2SC2413K
Q5 : 2SC2412K
D1-4 : RLS-73 or DLS1585
D5 : DAN202K
(W02-0708-05)
FET : 3SK101
TR1 : 2SC2620 or 2SC2714
TR2 : 2SC2175
TR3 : 2SC2995
(X25-2680-10)
IC4 : KC-B18
(W02-0681-05)
IC1 : LA1135
TR1-3 : 2SC2814, 2SC2716 or 2SC2619
FET : 2SK163 or 2SK523
D1-3 : SVC321 or 1SV149
(X11-2340-10)(B/5)
IC3 : NR0860
IC4 : BA3406L
IC5 : AN6262N
Q1 : 2SB822F
Q2 : DTC124EK
D1,2 : RLS-73
D3 : ERA15-01Y1



DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

KRC-5001

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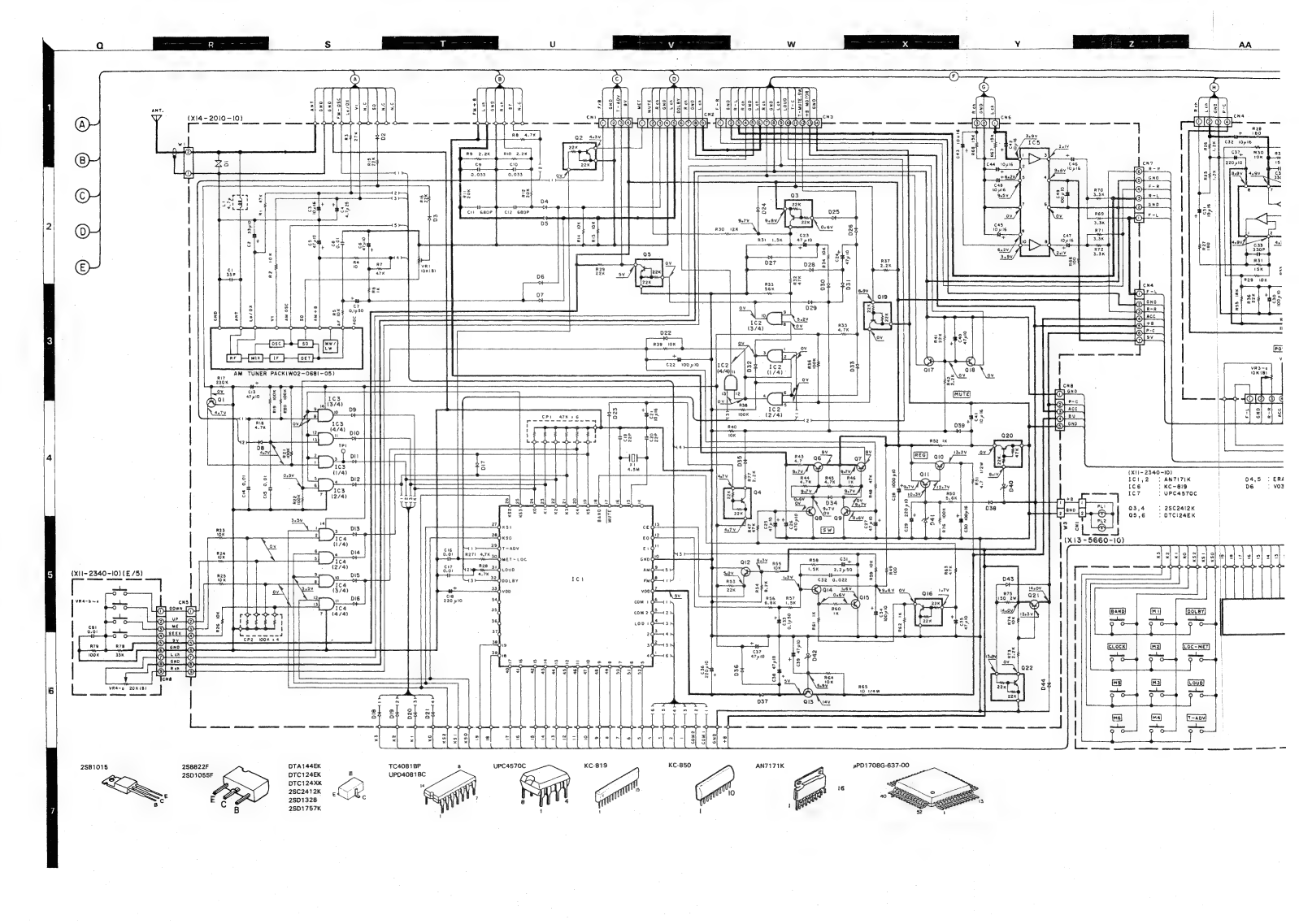
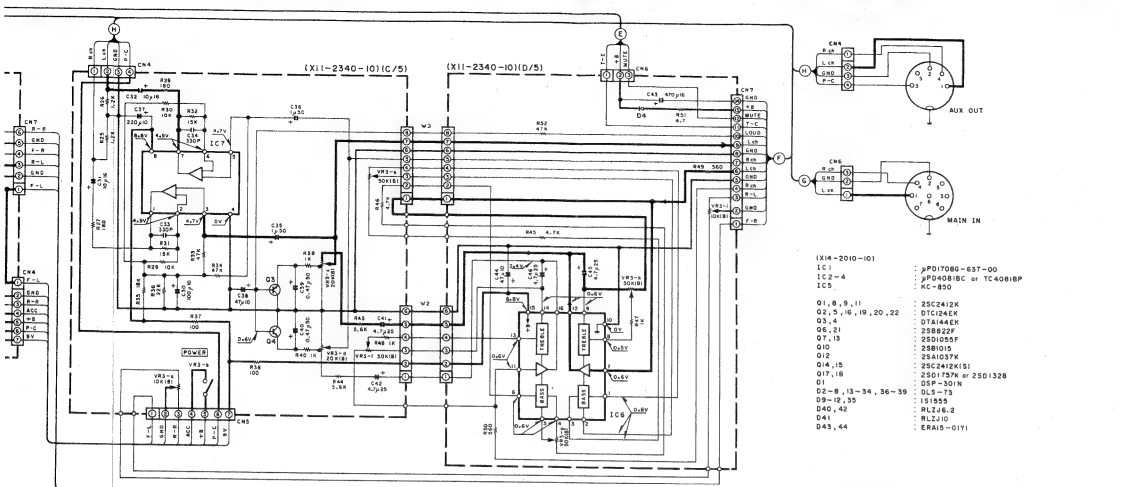
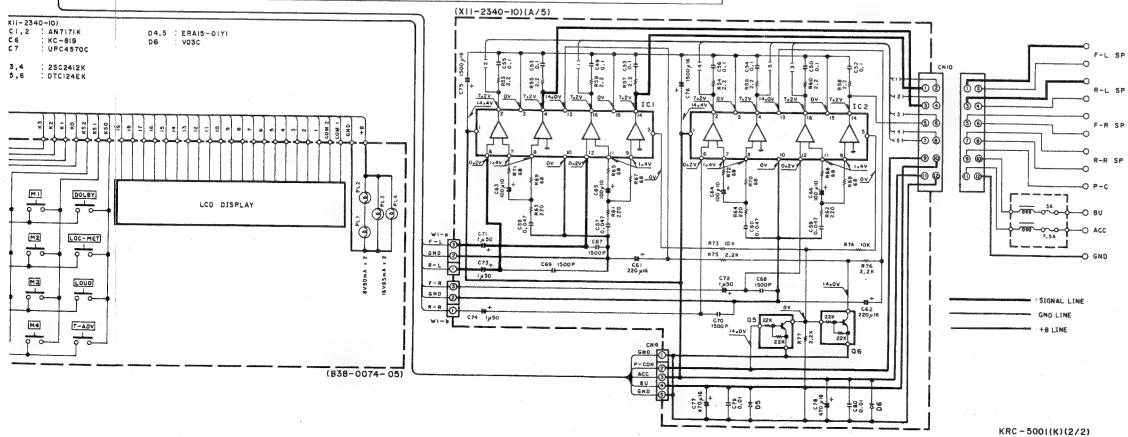

(X14-2010-10)
AM TUNER PACK(W02-0681-05)
(X11-2340-10)(E/5)
(X13-5660-10)
(X11-2340-10)
IC1,2 : AN7171K
IC6 : KC-819
IC7 : UPC4570C
Q3,4 : 2SC2412K
Q5,6 : DTC124EK
D4,5 : ERA
D6 : V03
2SB1015
2SB822F
2SD1055F
DTA144EK
DTC124EK
DTC124XK
2SC2412K
2SD1328
2SD1757K
TC4081BP
UPD4081BC
UPC4570C
KC-819
KC-850
AN7171K
μPD1708G-637-00





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Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

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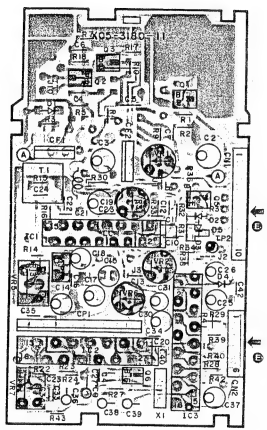
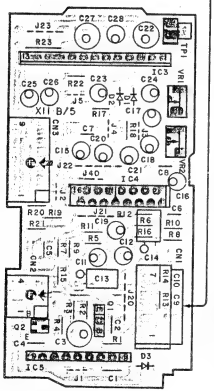
KRC-5001(K)(2/2)

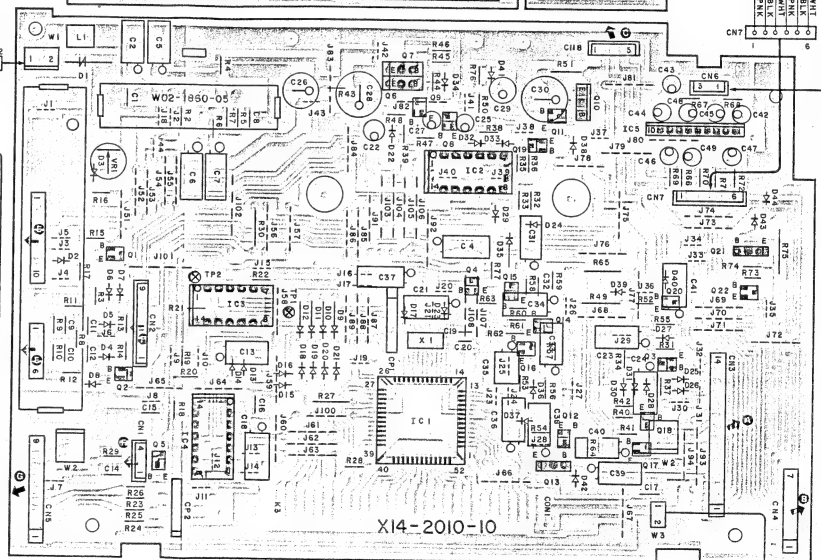
KRC-5001
KENWOOD

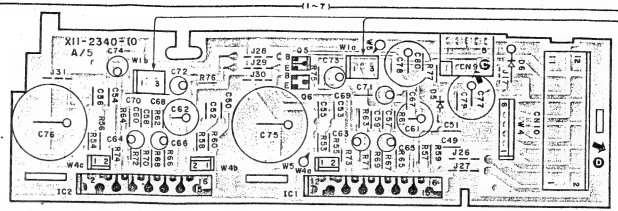
Foil side view

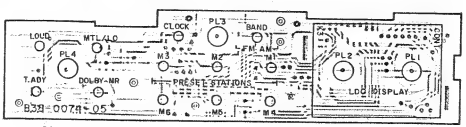
PC BOARD

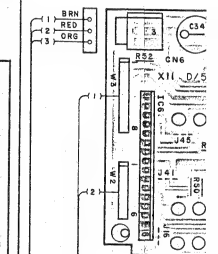


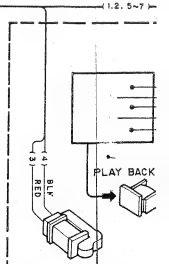




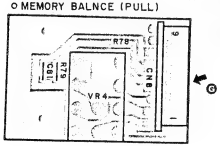






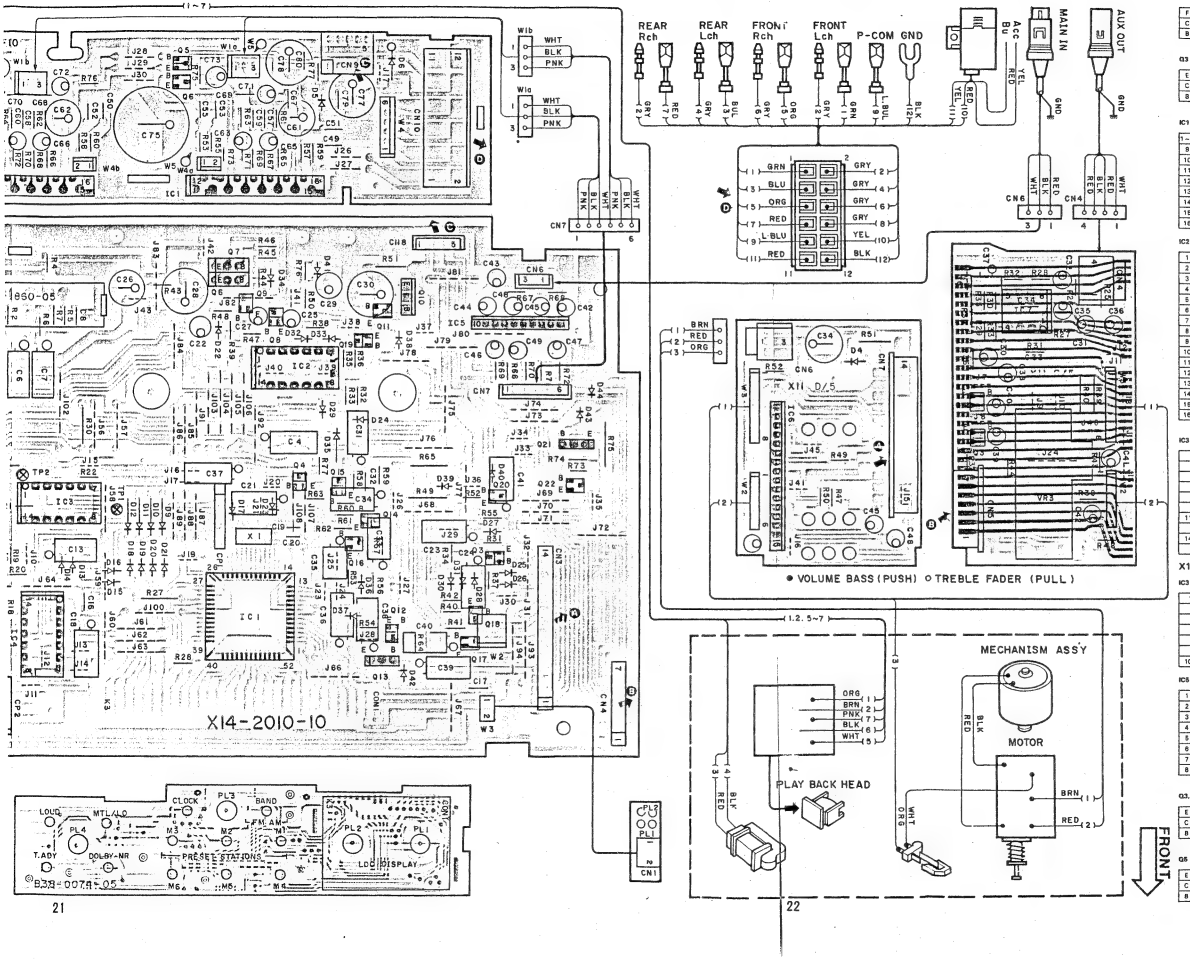


● TUNING MANUAL SEEK (PUSH)
○ MEMORY BALNCE (PULL)



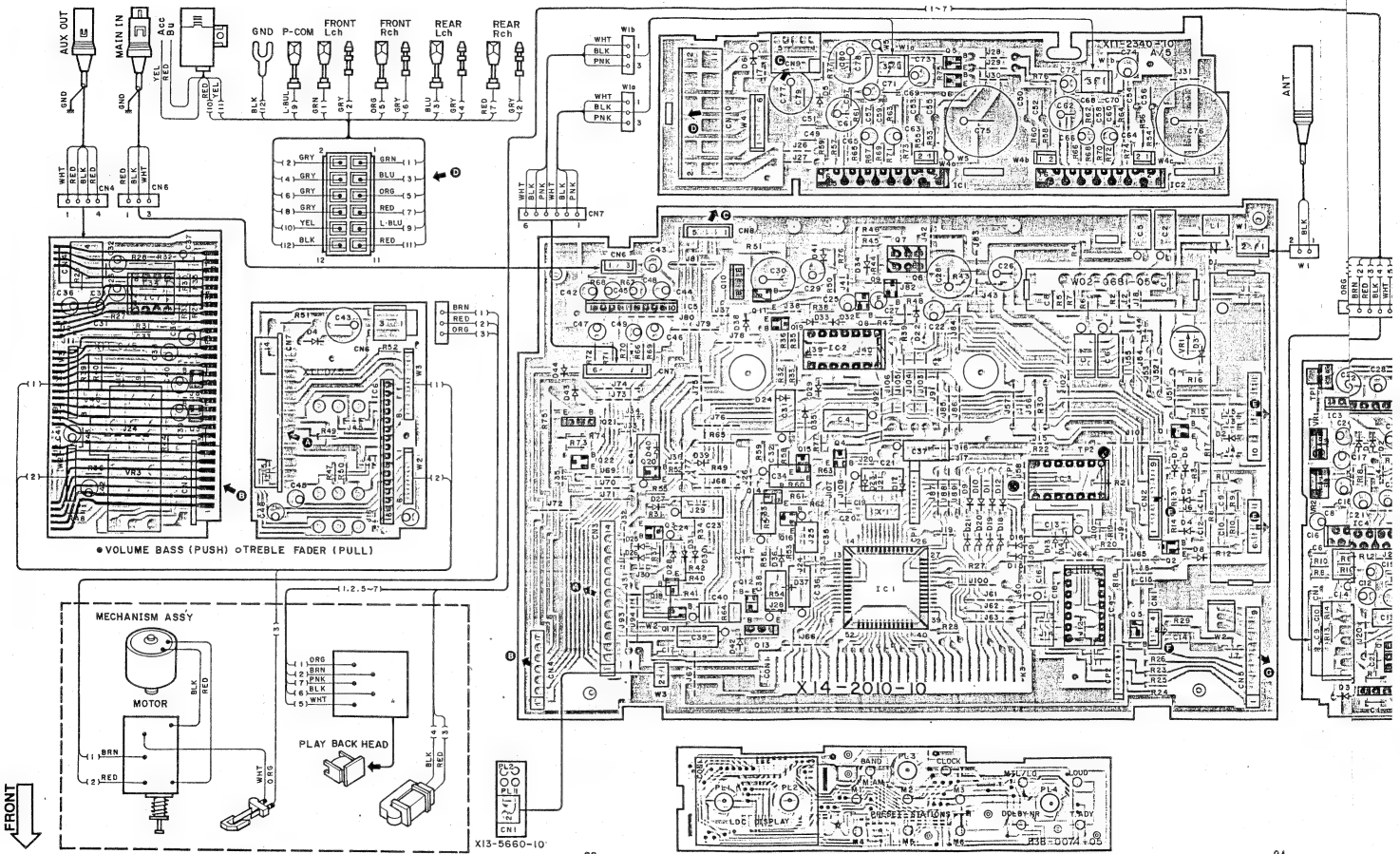
KRC-5001

PC BOARD

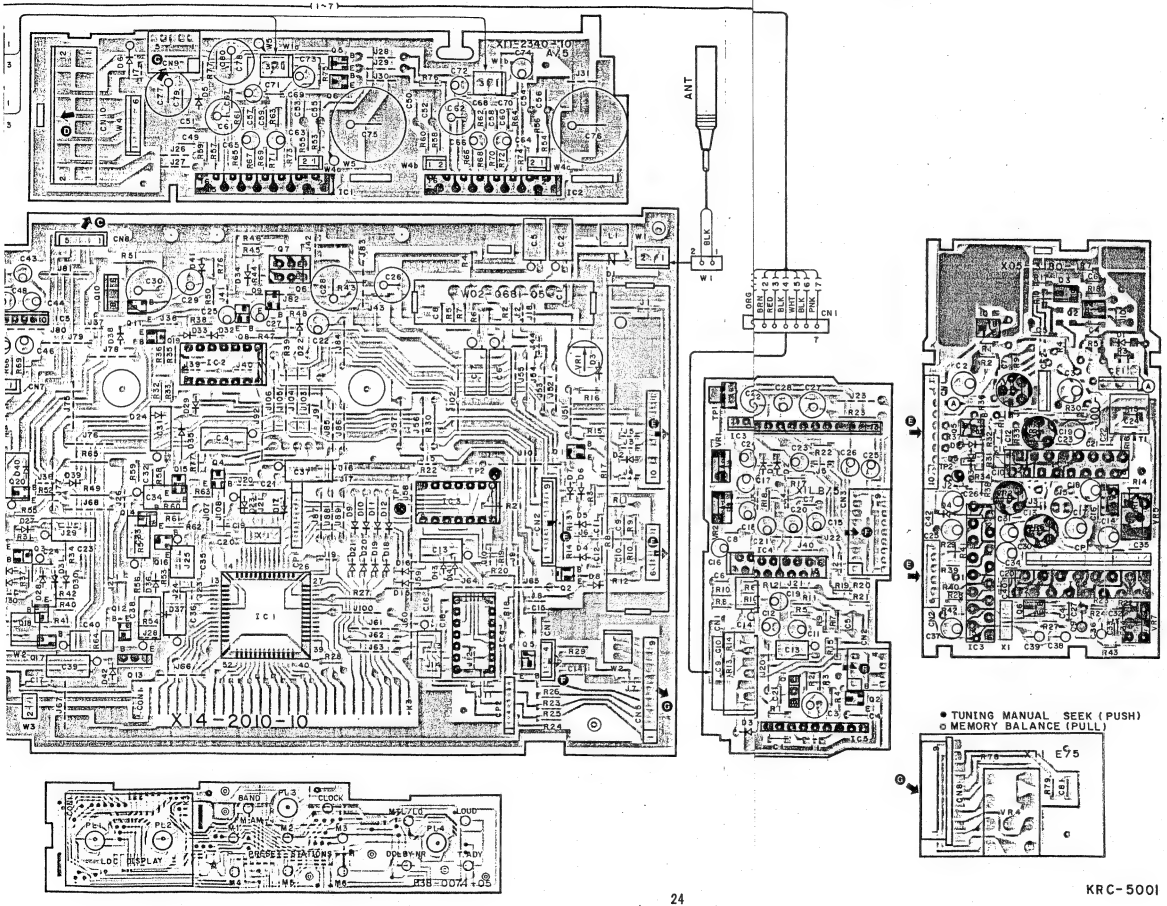

REAR Rch
REAR Lch
FRONT Rch
FRONT Lch
P-COM
GND
AC
MAIN IN
AUX OUT
X14-2010-10
VOLUME BASS (PUSH) TREBLE FADER (PULL)
MECHANISM ASS'Y
MOTOR
PLAY BACK HEAD
FRONT
X05-3180-11
X14-2010-10
X11-2340-10

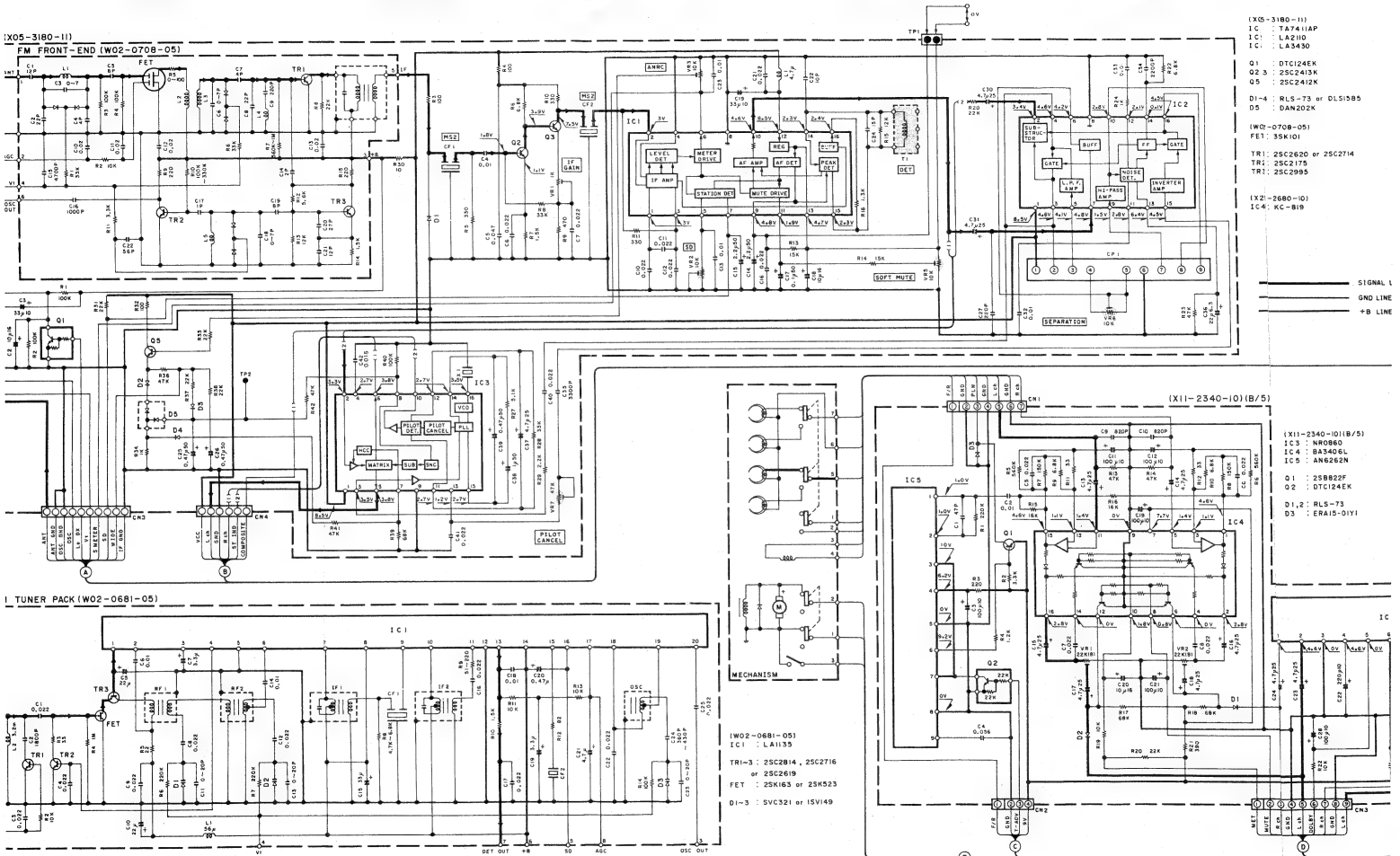
Component side view

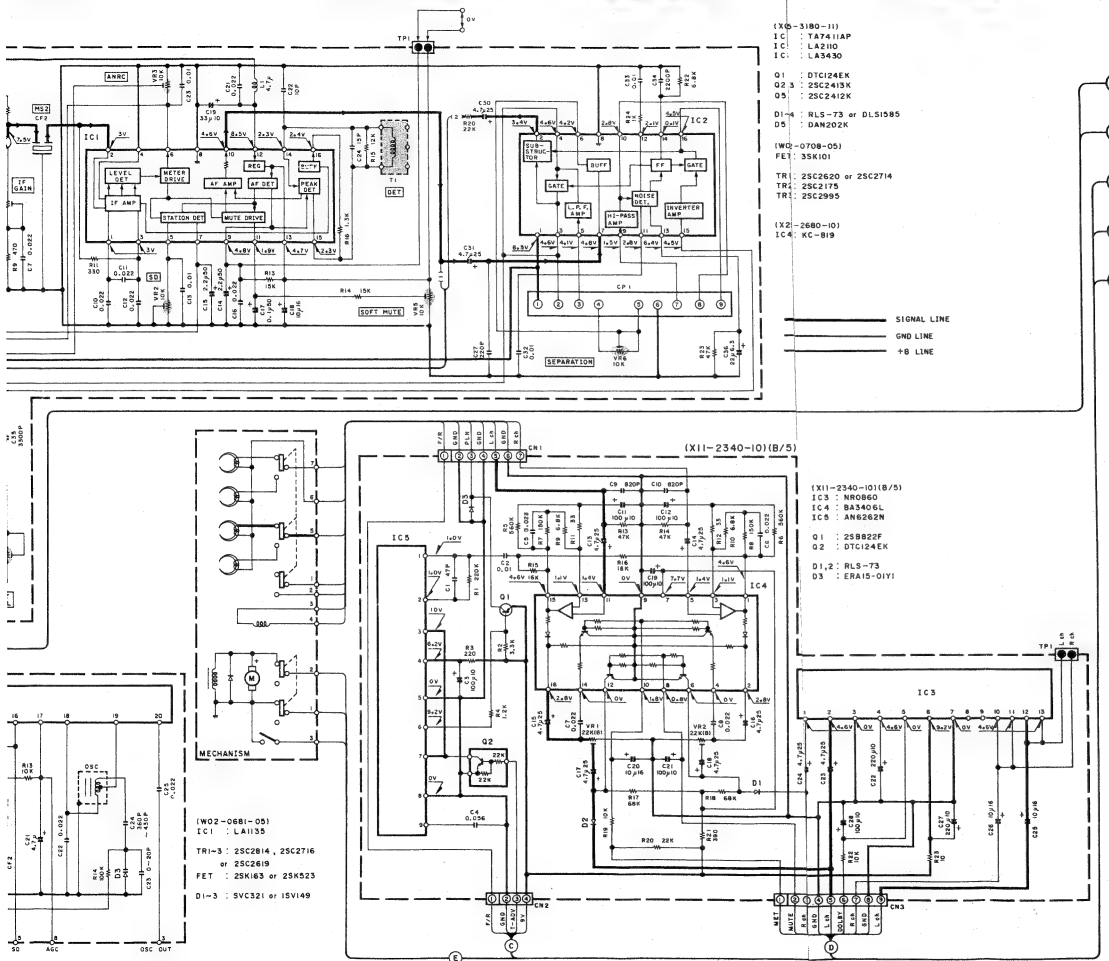
PC BOARD



PC BOARD


XH1-2340-10
ANT
BLK
W1
CN1
W02-068-05
XI4-2010-10
IC1
X05
TUNING MANUAL SEEK (PUSH)
MEMORY BALANCE (PULL)
KRC-5001


(X05-3180-11)
FM FRONT-END (W02-0708-05)
(X05-3180-11)
IC : TA7411AP
IC : LA2110
IC : LA3430
Q1 : DTC124EK
Q2,3 : 2SC2413K
Q5 : 2SC2412K
D1-4 : RLS-73 or DLS1585
D5 : DAN202K
(W02-0708-05)
FET : 3SK101
TR1 : 2SC2620 or 2SC2714
TR2 : 2SC2175
TR3 : 2SC2995
(X21-2680-10)
IC4 : KC-819
SIGNAL L
GND LINE
+B LINE
(X11-2340-10)(B/5)
(X11-2340-10)(B/5)
IC3 : NR0860
IC4 : BA3406L
IC5 : AN6262N
Q1 : 2SB822F
Q2 : DTC124EK
D1,2 : RLS-73
D3 : ERA15-01Y1
I TUNER PACK (W02-0681-05)
(W02-0681-05)
IC1 : LA1135
TR1-3 : 2SC2814 , 2SC2716
or 2SC2619
FET : 2SK163 or 2SK523
D1-3 : 5VC321 or 1SV149
MECHANISM



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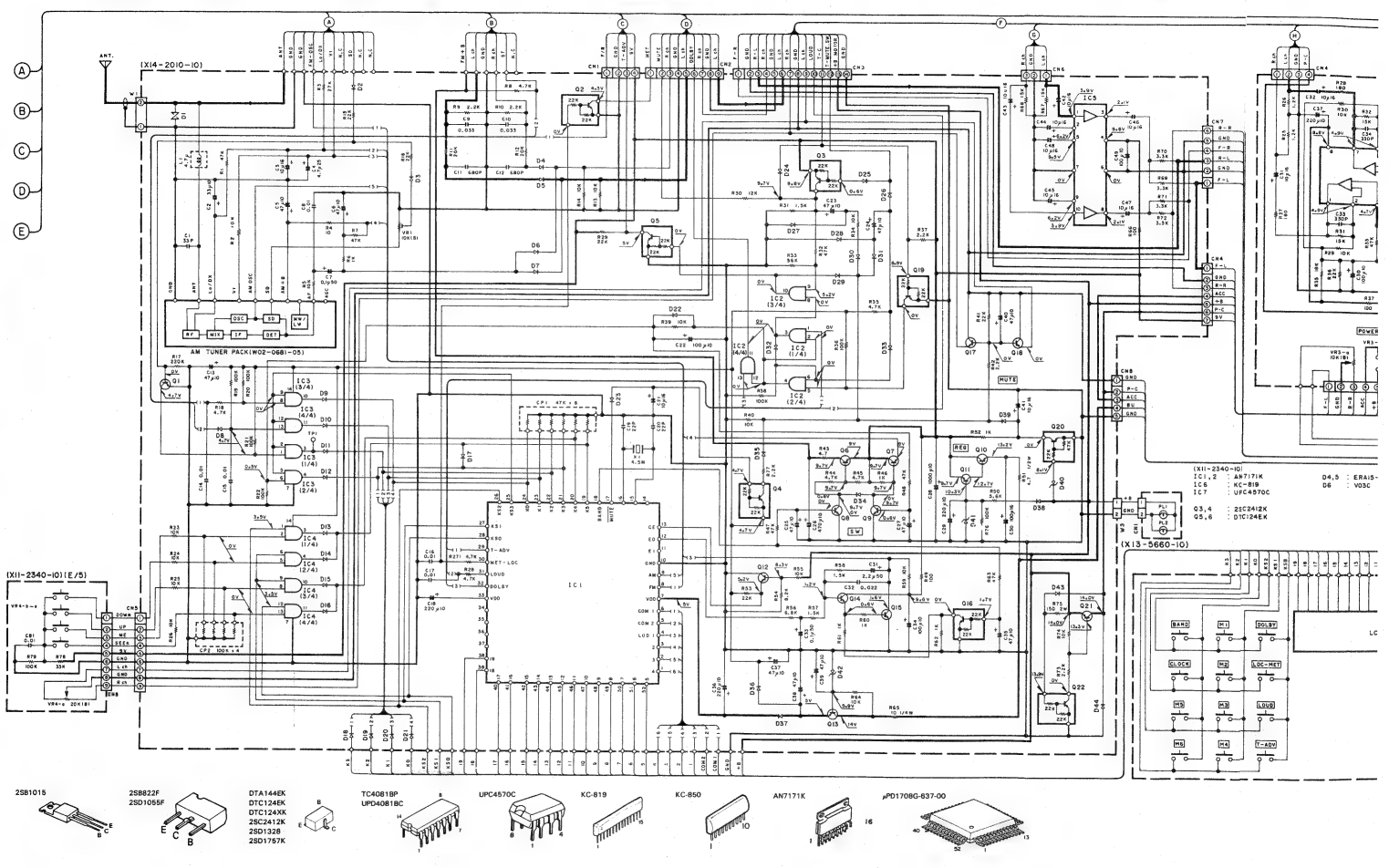
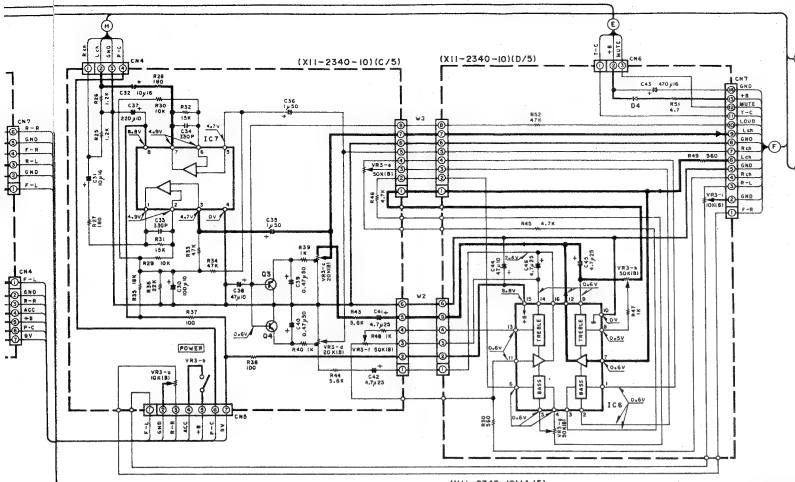
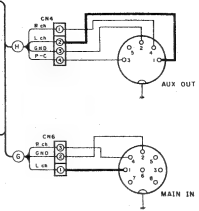
KRC-5001

KENWOOD


(X14-2010-10)
AM TUNER PACK(W02-0681-05)
(X11-2340-10)(E/5)
(X13-5660-10)
(X11-2340-10)
IC1,2 : AN7171K
IC6 : KC-819
IC7 : UPC4570C
D4,5 : ERA15-
D6 : VO3C
Q3,4 : 2SC2412K
Q5,6 : DTC124EK
2SB1015
2SB822F
2SD1055F
DTA144EK
DTC124EK
DTC124XK
2SC2412K
2SD1328
2SD1757K
TC4081BP
UPD4081BC
UPC4570C
KC-819
KC-850
AN7171K
μPD1708G-637-00



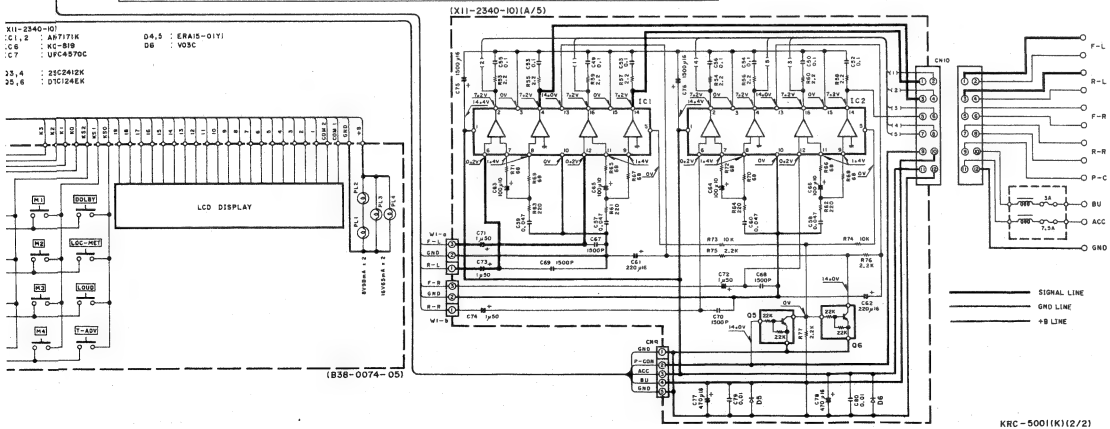


(X14-2010-10)

IC1	: μPD17080-637-00
IC2-4	: μPD4081BC or TC4081BP
IC5	: KC-850
Q1,8,9,11	: 2SC2412K
Q2,5,16,19,20,22	: DTC124EK
Q3,4	: DTA144EK
Q6,21	: 2SB822F
Q7,13	: 2SD1055F
Q10	: 2SB1015
Q12	: 2SA1037K
Q14,15	: 2SC2412K(S)
Q17,18	: 2SD1757K or 2SD1328
D1	: DSP-301N
D2-8,13-34,36-39	: DLS-73
D9-12,35	: 1S1555
D40,42	: RLZU6.2
D41	: RLZU10
D43,44	: ERA15-01Y1

(X11-2340-10)

IC1,2	: AN7171K
IC6	: KC-819
IC7	: UPC4570C
Q3,4	: 2SC2412K
Q5,6	: DTC124EK
D4,5	: ERA15-01Y1
D8	: VO3C



KRC-5001(K)(2/2)

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

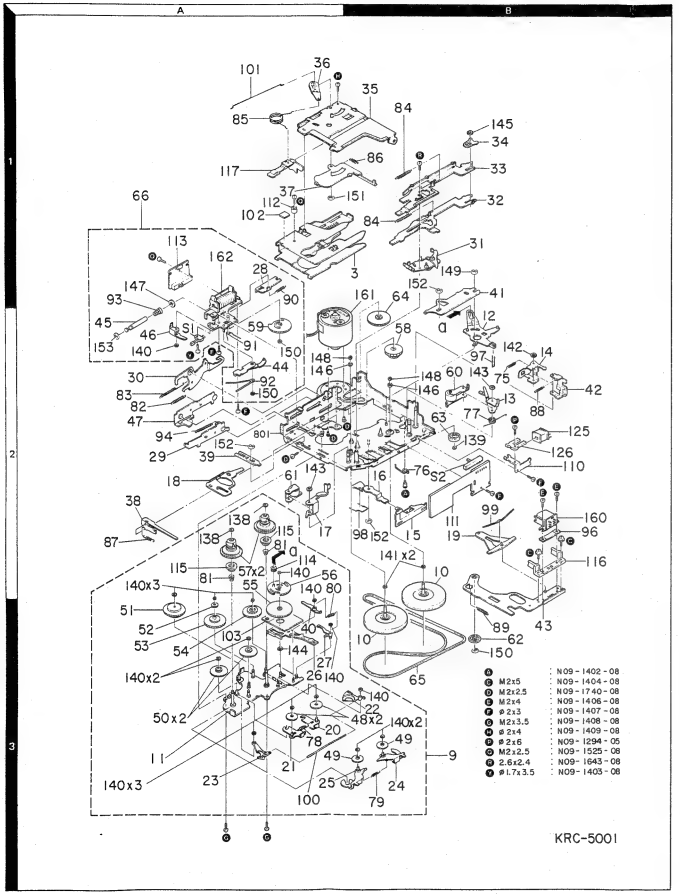
Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

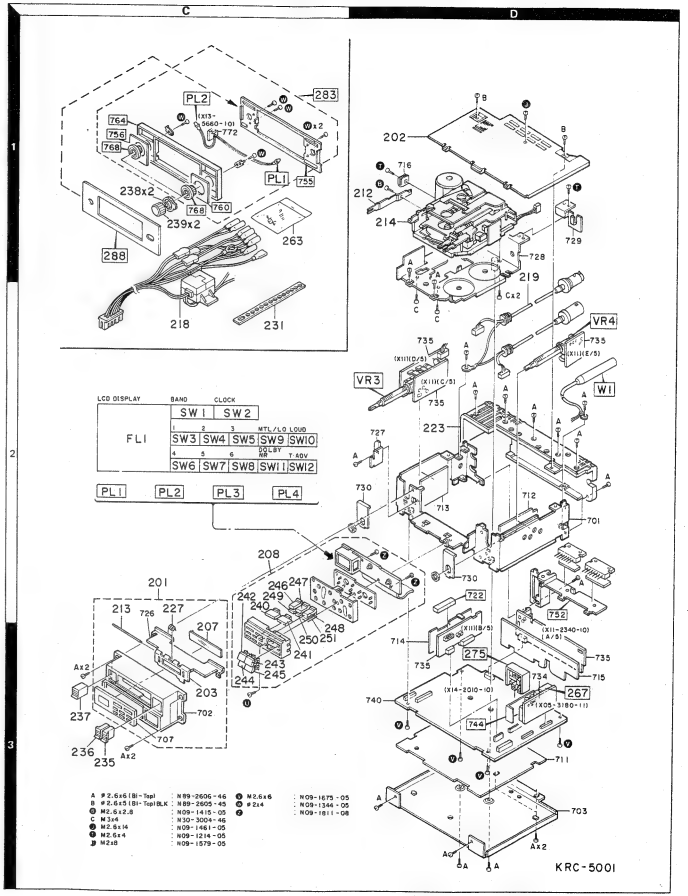
KRC-5001
KENWOOD

EXPLODED VIEW (MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (MAIN)



Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名/規格	Destination 仕向	Remarks 備考
			KRC-5001			
201	2C	*	A20-5094-02	PANEL ASSY		
202	1D	*	A52-0100-12	TOP COVER		
203	3C	*	A52-0102-03	FRONT BOARD		
207	3C	*	B11-0141-04	COLOR FILTER (CASSETTE LID)		
208	2C	*	B38-0074-05	LIQUID CRYSTAL (LCD ASSY)		
-			B46-0100-00	WARRANTY CARD		
-			B46-0118-03	QUESTIONAIRE CARD		
-		*	B50-6542-00	INSTRUCTION MANUAL		
-		*	B58-0814-04	CAUTION CARD		
-		*	B58-0834-04	CAUTION CARD		
FL1	2C		B38-0084-08	LIQUID CRYSTAL		
FL3 ,4	2C		B39-1119-05	LAMP (LCD ASSY)		
212	1D		D10-1318-04	LEVER (EJECT)		
213	2C		D21-0512-04	SHAFT		
214	1D	*	D40-0391-05	CASSETTE MECHANISM ASSY		
218	1C	*	E30-1526-05	DC CORD		
219	1D	*	E30-1527-05	CORD WITH DIN CONNECTOR		
223	2D	*	F01-1135-05	HEAT SINK (REAR)		
F1			F06-3026-05	FUSE (3A) DC CORD ASSY		
F2			F05-7521-05	FUSE (7.5A) DC CORD ASSY		
227	2C	*	G01-1958-04	TORSION COIL SPRING		
-		*	H01-7371-04	ITEM CARTON CASE		
-		*	H03-0861-04	OUTER CARTON CASE		
-			H10-1862-13	POLYSTYRENE FOAMED FIXTURE		
-			H10-1895-03	POLYSTYRENE FOAMED FIXTURE		
-			H25-0029-04	PROTECTION BAG (60X110)		
-			H25-0103-04	PROTECTION BAG (125X250X0.07)		
-			H25-0117-04	PROTECTION BAG (80X250X0.07)		
-			H25-0226-04	PROTECTION BAG (180X300X0.05)		
-			H25-0234-04	PROTECTION BAG		
-			H25-0268-04	PROTECTION BAG		
231	2C		J54-0059-04	STAY		
235	3C		K27-1579-14	KNOB (BUTTON) FF		
236	3C		K27-1580-14	KNOB (BUTTON) REW		
237	3C	*	K27-1581-14	KNOB (BUTTON) EJECT		
238	1C		K29-1888-04	KNOB (BAL,FADER)		
239	1C		K29-1889-04	KNOB (TUNING,VOLUME)		
240	2C	*	K27-1766-08	KNOB (BUTTON) BAND		
241	3C	*	K27-1767-08	KNOB (BUTTON) CLOCK		
242	2C	*	K27-1768-08	KNOB (BUTTON) MTL/LO		
243	3C	*	K27-1769-08	KNOB (BUTTON) LOUD		
244	3C	*	K27-1770-08	KNOB (BUTTON) DOLBY NR		
245	3C	*	K27-1771-08	KNOB (BUTTON) T.ADV		
246	2C	*	K27-1772-08	KNOB (BUTTON) 1		
247	2C	*	K27-1773-08	KNOB (BUTTON) 2		
248	3C	*	K27-1774-08	KNOB (BUTTON) 3		
249	2C	*	K27-1775-08	KNOB (BUTTON) 4		
250	3C	*	K27-1776-08	KNOB (BUTTON) 5		
251	3C	*	K27-1781-08	KNOB (BUTTON) 6		

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263	1C		N99-0066-15	SCREW SET		
B	1D		N09-1415-05	MACHINE SCREW (M2.6X2.8)EJECT		
J	1D		N09-1461-05	STEPPED SCREW (M2.6X14)		
T	1D		N09-1214-05	TAPTITE SCREW (M2.6X4)		
U	3C		N09-1579-05	TAPTITE SCREW (M2X8)		
V	3D		N09-1672-05	TAPTITE SCREW (M2.6X6)		
Z	2D		N09-1811-05	SCREW (LCD ASSY)		
			TUNER UNIT (X05-3180-11)			
C2			C90-0478-05	ELECTRO 10UF 16WV		
C3			C90-0831-05	ELECTRO 33UF 10WV		
C4			CK73FB1H103K	CHIP C 0.010UF K		
C5			CK72EB1H473K	CHIP C 0.047UF K		
C6 ,7		*	CK73FB1H223K	CHIP C 0.022UF K		
C9			CEO4DW1A101M	ELECTRO 100UF 10WV		
C10 -12		*	CK73FB1H223K	CHIP C 0.022UF K		
C13			CK73FB1H103K	CHIP C 0.010UF K		
C14 ,15			C90-0508-05	ELECTRO 2.2UF 50WV		
C16		*	CK73FB1H223K	CHIP C 0.022UF K		
C17			C90-0484-05	ELECTRO 0.47UF 50WV		
C18			C90-0478-05	ELECTRO 10UF 16WV		
C19			C90-0831-05	ELECTRO 33UF 10WV		
C21		*	CK73FB1H223K	CHIP C 0.022UF K		
C22		*	CC73FRH1H100D	CHIP C 10PF D		
C23			CK73FB1H103K	CHIP C 0.010UF K		
C24		*	CC73FCH1H150J	CHIP C 15PF J		
C25 ,26			C90-0484-05	ELECTRO 0.47UF 50WV		
C27			CC73FSL1H221J	CHIP C 220PF J		
C30 ,31			C90-0482-05	ELECTRO 4.7UF 25WV		
C32 ,33			CK73FB1H103K	CHIP C 0.010UF K		
C34			CK73FB1H222K	CHIP C 2200PF K		
C35			CK73FB1H332K	CHIP C 3300PF K		
C36			CS15E1A220M	TANTAL 22UF 10WV		
C37			C90-0482-05	ELECTRO 4.7UF 25WV		
C38			CEO4CW1H010M	ELECTRO 1.0UF 50WV		
C39			CEO4CW1HR47M	ELECTRO 0.47UF 50WV		
C40 ,41		*	CK73FB1H223K	CHIP C 0.022UF K		
C42			CK73FB1E153K	CHIP C 0.015UF K		
C43		*	CC73FSL1H680J	CHIP C 68PF J		
CN1		*	E40-3397-05	PIN ASSY		
CN2		*	E40-3393-05	PIN ASSY		
W1			E31-3571-05	WIRING HARNESS		
CF1 ,2			L72-0145-05	CERAMIC FILTER		
L1			L40-4791-16	SMALL FIXED INDUCTOR(4.7UH,K)		
T1		*	L30-0450-05	FM IFT		
X1			L78-0208-05	RESONATOR (18.950KHZ)		
-			R92-0670-05	CHIP R 0 OHM		
CP1			R90-0282-05	COMPOSITE ELEMENTS		
R1 ,2			RK73FB2A104J	CHIP R 100K J 1/10W		
R3 ,4			RK73FB2A101J	CHIP R 100 J 1/10W		
R5			RK73FB2A331J	CHIP R 330 J 1/10W		
R6			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R7			RK73FB2A152J	CHIP R 1.5K J 1/10W		
R8			RK73FB2A333J	CHIP R 33K J 1/10W		
R9			RK73FB2A471J	CHIP R 470 J 1/10W		

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R10 ,11			RK73FB2A331J	CHIP R	330	J 1/10W		
R13			RK73FB2A273J	CHIP R	27K	J 1/10W		
R14			RK73FB2A153J	CHIP R	15K	J 1/10W		
R15			RK73FB2A123J	CHIP R	12K	J 1/10W		
R16		*	RK73FB2A132J	CHIP R	1.3K	J 1/10W		
R20			RK73FB2A223J	CHIP R	22K	J 1/10W		
R22			RK73FB2A682J	CHIP R	6.8K	J 1/10W		
R23			RK73FB2A473J	CHIP R	47K	J 1/10W		
R24			RK73FB2A102J	CHIP R	1.0K	J 1/10W		
R27			RK73FB2A512J	CHIP R	5.1K	J 1/10W		
R28			RK73FB2A333J	CHIP R	33K	J 1/10W		
R29			RK73FB2A222J	CHIP R	2.2K	J 1/10W		
R30		*	RK73FB2A100J	CHIP R	10	J 1/10W		
R31			RK73FB2A223J	CHIP R	22K	J 1/10W		
R32			RK73FB2A101J	CHIP R	100	J 1/10W		
R33			RK73FB2A223J	CHIP R	22K	J 1/10W		
R34			RK73FB2A102J	CHIP R	1.0K	J 1/10W		
R36			RK73FB2A473J	CHIP R	47K	J 1/10W		
R37 ,38			RK73FB2A223J	CHIP R	22K	J 1/10W		
R39			RK73FB2A683J	CHIP R	68K	J 1/10W		
R40			RK73FB2A104J	CHIP R	100K	J 1/10W		
R41 ,42			RK73FB2A473J	CHIP R	47K	J 1/10W		
VR1			R12-1054-05	TRIMMING POT. (1K) IF GAIN				
VR2 ,3			R12-3071-05	TRIMMING POT. (10K)SD.ADJ.				
VR5			R12-3100-05	TRIMMING POT. (10K)SOFT MUTE				
VR6			R12-3071-05	TRIMMING POT. (10K)SEPARATION				
VR7			R12-3103-05	TRIMMING POT. (47K)PILOT CANCEL				
D1 -4			DLS1585	DIODE				
D1 -4			RLS-73	DIODE				
D5			DAN202K	DIODE				
IC1			TA7411AP	IC(FM IF)				
IC2			LA2110	IC(FM NOISE CANCELLER)				
IC3			LA3430	IC(FM MPX)				
Q1			DTC124EK	DIGITAL TRANSISTOR				
Q2 ,3			2SC2413K	TRANSISTOR				
Q5			2SC2412K	TRANSISTOR				
267	3D	*	W02-0708-05	FM FRSNT-END ASSY				
CONTROL UNIT (X11-2340-10)								
C1			CC41CSL1H470J	CYLND CHIP C	47PF	J		
C2			CK73EB1H103K	CHIP C	0.01UF	K		
C3			C90-1263-05	ELECTRO	100UF	16WV		
C4			C092M1H563J	MYLAR	0.056UF	J		
C5 -8			C092M1H223J	MYLAR	0.022UF	J		
C9 ,10			CK41CB1HB21K	CYLND CHIP C	820PF	K		
C11 ,12			CE04CW1A101M	ELECTRO	100UF	10WV		
C13 -16			C90-0482-05	ELECTRO	4.7UF	25WV		
C17 ,18			CE04CW1E4R7M	ELECTRO	4.7UF	25WV		
C19			CE04CW1A101M	ELECTRO	100UF	10WV		
C20			CE04CW1C100M	ELECTRO	10UF	16WV		
C21			CE04CW1A101M	ELECTRO	100UF	10WV		
C22			CE04CW1A221M	ELECTRO	220UF	10WV		
C23 ,24			C90-0482-05	ELECTRO	4.7UF	25WV		
C25 ,26			C90-0478-05	ELECTRO	10UF	16WV		

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C27			CE04DW1A221M	ELECTRO	220UF	10WV		
C28			CE04DW1A101M	ELECTRO	100UF	10WV		
C30			CE04DW1A101M	ELECTRO	100UF	10WV		
C31 ,32			CE04DW1C100M	ELECTRO	10UF	16WV		
C33 ,34			CK41DB1H331K	CYLND CHIP C	330PF	K		
C35 ,36			CE04DW1H0R1M	ELECTRO	0.1UF	50WV		
C37			CE04DW1A221M	ELECTRO	220UF	10WV		
C38			CE04DW1A470M	ELECTRO	47UF	10WV		
C39 ,40			CE04DW1H0R47M	ELECTRO	0.47UF	50WV		
C41 ,42			CE04DW1E4R7M	ELECTRO	4.7UF	25WV		
C43			CE04DW1C471M	ELECTRO	470UF	16WV		
C44			CE04DW1A470M	ELECTRO	47UF	10WV		
C45 ,46			CE90-0482-05	ELECTRO	4.7UF	25WV		
C49 -56			CF92V1H104J	MF	0.10UF	J		
C57 -60			CK73EB1H473K	CHIP C	0.047UF	K		
C61 ,62			CE04DW1C221M	ELECTRO	220UF	16WV		
C63 -66			CE04DW1A101M	ELECTRO	100UF	10WV		
C67 -70			CF93-0002-05	CYLND CHIP C	1500PF	M		
C71 -74			CE04DW1H010M	ELECTRO	1.0UF	50WV		
C75 ,76		*	CE90-1438-05	ELECTRO	1500UF	16WV		
C77 ,78			CE90-1402-05	ELECTRO	470WV	16WV		
C79 -81			CK73EB1H103K	CHIP C	0.010UF	K		
CN1			E40-3304-05	PIN ASSY				
CN2		*	E40-3462-05	PIN ASSY				
CN3			E40-3467-05	PIN ASSY				
CN4		*	E40-3301-05	PIN ASSY				
CN5		*	E40-3221-05	PIN ASSY				
CN6			E40-3300-05	PIN ASSY				
CN7		*	E40-3227-05	PIN ASSY				
CN8		*	E40-3223-05	PIN ASSY				
CN9			E40-3463-05	PIN ASSY				
CN10		*	E40-3719-05	PIN ASSY				
W1		*	E31-3922-05	WIRING HARNESS				
W2		*	E31-3767-05	WIRING HARNESS				
W3		*	E31-3768-05	WIRING HARNESS				
W4		*	E31-3921-05	WIRING HARNESS				
W5		*	E31-3575-05	WIRING HARNESS				
J1 -19			R92-0338-05	CLYND CHIP R	0 OHM			
J28		*	R92-0150-05	JUMPER REST	0 OHM			
J45 ,46			R92-0338-05	CLYND CHIP R	0 OHM			
R1			RD41DB2B224J	CYLND CHIP R	220K	J 1/8W		
R2			RD41DB2B332J	CYLND CHIP R	3.3K	J 1/8W		
R3			RD41DB2B221J	CYLND CHIP R	220	J 1/8W		
R4			RD41DB2B122J	CYLND CHIP R	1.2K	J 1/8W		
R5 ,6			RD41DB2B564J	CYLND CHIP R	560K	J 1/8W		
R7 ,8			RD41DB2B154J	CYLND CHIP R	150K	J 1/8W		
R9 ,10			RD41DB2B682J	CYLND CHIP R	6.8K	J 1/8W		
R11 ,12			RD41DB2B330J	CYLND CHIP R	33	J 1/8W		
R13 ,14			RD41DB2B473J	CYLND CHIP R	47K	J 1/8W		
R15 ,16			RD41DB2B163J	CYLND CHIP R	16K	J 1/8W		
R17 ,18			RD41DB2B683J	CYLND CHIP R	68K	J 1/8W		
R19			RD41DB2B103J	CYLND CHIP R	10K	J 1/8W		
R20			RD41DB2B223J	CYLND CHIP R	22K	J 1/8W		
R21			RD41DB2B391J	CYLND CHIP R	390	J 1/8W		

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R22			RD41DB2B103J	CYLND CHIP R 10K	J 1/8W		
R25 ,26			RD41DB2B122J	CYLND CHIP R 1.2K	J 1/8W		
R27 ,28			RD41DB2B181J	CYLND CHIP R 180	J 1/8W		
R29 ,30			RD41DB2B103J	CYLND CHIP R 10K	J 1/8W		
R31 ,32			RD41DB2B153J	CYLND CHIP R 15K	J 1/8W		
R33 ,34			RD41DB2B473J	CYLND CHIP R 47K	J 1/8W		
R35			RD41DB2B183J	CYLND CHIP R 18K	J 1/8W		
R36			RD41DB2B223J	CYLND CHIP R 22K	J 1/8W		
R37 ,38			RD41DB2B101J	CYLND CHIP R 100	J 1/8W		
R43 ,44			RD41DB2B562J	CYLND CHIP R 5.6K	J 1/8W		
R47 ,48			RD41DB2B102J	CYLND CHIP R 1.0K	J 1/8W		
R49 ,50			RD41DB2B561J	CYLND CHIP R 560	J 1/8W		
R51			RD14DB2H4R7J	SMALL-RD 4.7	J 1/2W		
R52			RD41DB2B473J	CYLND CHIP R 47K	J 1/8W		
R53 -60			RD41DB2B2R2J	CYLND CHIP R 2.2	J 1/8W		
R61 -64			RD41DB2B221J	CYLND CHIP R 220	J 1/8W		
R65 ,66			RD41DB2B680J	CYLND CHIP R 68	J 1/8W		
R67 -70			RD41DB2B560J	CYLND CHIP R 56	J 1/8W		
R71 ,72			RK73FB2A680J	CHIP R 68	J 1/10W		
R73 ,74			RK73FB2A103J	CHIP R 10K	J 1/10W		
R75 -77			RD41DB2B222J	CYLND CHIP R 2.2K	J 1/8W		
R78			RD41DB2B333J	CYLND CHIP R 33K	J 1/8W		
R79			RD41DB2B104J	CYLND CHIP R 100K	J 1/8W		
VR1 ,2			R12-3101-05	TRIMMING POT.(22K)DOLBY LEVEL			
VR3	3C	*	R24-9019-05	POTENTIOMETER(10KB)POWER			
VR4	2D		R29-3020-05	POTENTIOMETER(20KB)BALANCE			
D1 ,2			RLS-73	DIODE			
D3 -5			ERA15-01Y1	DIODE			
D6			V03C	DIODE			
IC1 ,2		*	AN7171K	IC(AUDIO POWER AMP)			
IC3			NR0860	IC(DOLBY)			
IC4			BA3406L	IC(PREAMP FOR TAPE EQ X2)			
IC5			AN6262N	IC(T.ADV)			
IC6			KC-819	IC(TONE AMP X2)			
IC7			UPC4570C	IC(OP AMP X2)			
Q1			2SB822F	TRANSISTOR			
Q2			DTC124EK	DIGITAL TRANSISTOR			
Q3 ,4			2SC2412K	TRANSISTOR			
Q5 ,6			DTC124EK	DIGITAL TRANSISTOR			
SYNTHESIZER UNIT (X14-2010-10)							
C1			CC41CSL1H330J	CYLND CHIP C 33PF	J		
C2			CE04DW1A330M	ELECTRO 33UF	10WV		
C4			CE04DW1E4R7M	ELECTRO 4.7UF	25WV		
C5 ,6			CE04DW1A470M	ELECTRO 47UF	10WV		
C7			CE04DW1H0R1M	ELECTRO 0.1UF	50WV		
C8			C93-0012-05	CYLND CHIP C 0.01UF	M		
C9 ,10			CK73EB1H333K	CHIP C 0.033UF	K		
C11 ,12			CK41DB1H681K	CYLND CHIP C 680PF	K		
C13			CE04DW1A470M	ELECTRO 47UF	10WV		
C14 -17			C93-0012-05	CYLND CHIP C 0.01UF	M		
C18			CE04DW1A221M	ELECTRO 220UF	10WV		
C19 ,20			CC73FCH1H220J	CHIP C 22PF	J		
C21			CE04DW1C100M	ELECTRO 10UF	16WV		
C22			CE04DW1A101M	ELECTRO 100UF	10WV		

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C23 -25			CE04DW1A470M	ELECTRO 47UF 10WV		
C26			CE04DW1A471M	ELECTRO 470UF 10WV		
C27			CE04DW1A470M	ELECTRO 47UF 10WV		
C28			CE04DW1A102M	ELECTRO 1000UF 10WV		
C29			CE04DW1A221M	ELECTRO 220UF 10WV		
C30			CE04DW1C102M	ELECTRO 1000UF 16WV		
C31			CE04DW1H2R2M	ELECTRO 2.2UF 50WV		
C32			CK73EB1H223K	CHIP C 0.022UF K		
C33			CE04DW1H0R1M	ELECTRO 0.1UF 50WV		
C34			CE04DW1A101M	ELECTRO 100UF 10WV		
C35			C90-0822-05	ELECTRO 47UF 16WV		
C36			CE04DW1A221M	ELECTRO 220UF 10WV		
C37 -40			CE04DW1A470M	ELECTRO 47UF 10WV		
C41			CE04DW1C100M	ELECTRO 10UF 16WV		
C42 -48			C90-0478-05	ELECTRO 10UF 16WV		
C49			CE04DW1A101M	ELECTRO 100UF 10WV		
CN1			E40-3483-05	PIN ASSY		
CN2			E40-3488-05	PIN ASSY		
CN3		*	E40-3235-05	SOCKET FOR PIN ASSY		
CN4		*	E40-3230-05	SOCKET FOR PIN ASSY		
CN5		*	E40-3231-05	SOCKET FOR PIN ASSY		
CN6			E40-3238-05	PIN ASSY		
CN7			E40-3241-05	PIN ASSY		
CN8			E40-3484-05	PIN ASSY		
W1	2D	*	E30-1529-05	CORD WITH PLUG		
W2		*	E31-3923-05	WIRING HARNESS		
W3		*	E31-3795-05	WIRING HARNESS		
L1			L39-0129-05	TRAP COIL		
X1			L77-0585-05	CRYSTAL RESONATOR(4.5MHZ)		
CP1			R90-0450-05	MULTIPLE RESISTOR		
CP2			R90-0254-05	COMPOSITE ELEMENTS		
J1 -21			R92-0338-05	CLYND CHIP R 0 OHM		
J23 -44			R92-0338-05	CLYND CHIP R 0 OHM		
J67			R92-0150-05	JUMPER REST 0 OHM		
J72			R92-0150-05	JUMPER REST 0 OHM		
J83			R92-0150-05	JUMPER REST 0 OHM		
R2			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R3			RD41DB2B223J	CYLND CHIP R 22K J 1/8W		
R4			RD41DB2B100J	CYLND CHIP R 10 J 1/8W		
R5			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R6			RD41DB2B102J	CYLND CHIP R 1.0K J 1/8W		
R7			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R8			RD41DB2B472J	CYLND CHIP R 4.7K J 1/8W		
R9 ,10			RD41DB2B222J	CYLND CHIP R 2.2K J 1/8W		
R11 ,12			RD41DB2B203J	CYLND CHIP R 20K J 1/8W		
R13 ,14			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R15 ,16			RD41DB2B223J	CYLND CHIP R 22K J 1/8W		
R17			RD41DB2B224J	CYLND CHIP R 220K J 1/8W		
R18			RD41DB2B472J	CYLND CHIP R 4.7K J 1/8W		
R19 -22			RD41DB2B104J	CYLND CHIP R 100K J 1/8W		
R23 -26			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R28			RD41DB2B472J	CYLND CHIP R 4.7K J 1/8W		
R29			RD41DB2B223J	CYLND CHIP R 22K J 1/8W		

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R31			RD41DB2B152J	CYLND CHIP R 1.5K J 1/8W		
R32			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R33			RD41DB2B563J	CYLND CHIP R 56K J 1/8W		
R34			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R35			RD41DB2B472J	CYLND CHIP R 4.7K J 1/8W		
R36			RD41DB2B104J	CYLND CHIP R 100K J 1/8W		
R37			RD41DB2B222J	CYLND CHIP R 2.2K J 1/8W		
R38			RD41DB2B104J	CYLND CHIP R 100K J 1/8W		
R39 ,40			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R41			RD41DB2B223J	CYLND CHIP R 22K J 1/8W		
R42			RD41DB2B222J	CYLND CHIP R 2.2K J 1/8W		
R43			RD41DB2B4R7J	CYLND CHIP R 4.7 J 1/8W		
R44 ,45			RD41DB2B472J	CYLND CHIP R 4.7K J 1/8W		
R46			RD41DB2B102J	CYLND CHIP R 1.0K J 1/8W		
R47 ,48			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R50			RD41DB2B562J	CYLND CHIP R 5.6K J 1/8W		
R51			RD14DB2H4R7J	SMALL-RD 4.7 J 1/2W		
R52			RD41DB2B102J	CYLND CHIP R 1.0K J 1/8W		
R53			RD41DB2B223J	CYLND CHIP R 22K J 1/8W		
R54			RD41DB2B822J	CYLND CHIP R 8.2K J 1/8W		
R55			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R56			RD41DB2B682J	CYLND CHIP R 6.8K J 1/8W		
R57 ,58			RD41DB2B152J	CYLND CHIP R 1.5K J 1/8W		
R59			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R60 -62			RD41DB2B102J	CYLND CHIP R 1.0K J 1/8W		
R63			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R64			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R66			RD41DB2B101J	CYLND CHIP R 100 J 1/8W		
R67 ,68			RD41DB2B153J	CYLND CHIP R 15K J 1/8W		
R69 -72			RD41DB2B332J	CYLND CHIP R 3.3K J 1/8W		
R73			RD41DB2B222J	CYLND CHIP R 2.2K J 1/8W		
R74			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R75			RS14DB3D151J	FL-PROOF RS 150 J 2W		
R76			RD41DB2B104J	CYLND CHIP R 100K J 1/8W		
R77			RD41DB2B222J	CYLND CHIP R 2.2K J 1/8W		
VR1			R12-3096-05	TRIMMING POT. (10K)STOP LEVEL		
D1			DSP-301N	SURGE ABSORBER		
D2 -8			RLS-73	DIODE		
D9 -12			1S1555	DIODE		
D13 -34			RLS-73	DIODE		
D35			1S1555	DIODE		
D36 -39			RLS-73	DIODE		
D40			RLZJ6.2	ZENER DIODE		
D41			RLZJ10	ZENER DIODE		
D42			RLZJ6.2	ZENER DIODE		
D43 ,44			ERA15-01Y1	DIODE		
IC1			UPD1708G-637-00	IC(DIGITAL TUNING SYSTEM)(ENT)		
IC2 -4			TC4081BP	IC(AND X4)		
IC2 -4			UPD4081BC	IC(AND X4)		
IC5			KC-850	IC(ISOLATION AMP)		
Q1			2SC2412K	TRANSISTOR		
Q2			DTC124EK	DIGITAL TRANSISTOR		
Q3 ,4			DTA144EK	DIGITAL TRANSISTOR		
Q5			DTC124EK	DIGITAL TRANSISTOR		

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Q6			2SB822F	TRANSISTOR		
Q7			2SD1055F	TRANSISTOR		
Q8 ,9			2SC2412K	TRANSISTOR		
Q10			2SB1015	TRANSISTOR		
Q11			2SC2412K	TRANSISTOR		
Q12			2SA1037K	TRANSISTOR		
Q13			2SD1055F	TRANSISTOR		
Q14 ,15			2SC2412K(S)	TRANSISTOR		
Q16			DTC124EK	DIGITAL TRANSISTOR		
Q17 ,18			2SD1328	TRANSISTOR		
Q17 ,18			2SD1757K	TRANSISTOR		
Q19			DTC124EK	DIGITAL TRANSISTOR		
Q20		*	DTC124XK	DIGITAL TRANSISTOR		
Q21			2SB822F	TRANSISTOR		
Q22			DTC124EK	DIGITAL TRANSISTOR		
275	3D		W02-0681-05	TUNER ASSY		
COMPOUND ASS'Y UNIT (X90-2440-10)						
283	1C	*	B07-1732-03	ESCUTCHEON ASSY		
288	1C		F39-0021-03	REINFORCING PLATE		
-			H25-0117-04	PROTECTION BAG (80X250XO.07)		
W	1C		N09-1344-05	TAPTITE SCREW (2X4)		
PL1	1C	*	B30-1135-15	LAMP (R)		
PL2	1C	*	B30-1125-15	LAMP (L) ,		
CN1		*	E40-0287-05	PIN ASSY		
TUNER ASS'Y (W02-0681-05)						
D1 -3			SVC321	DIODE		
D1 -3			1SV149	DIODE		
FET1			2SK163	FET		
FET1			2SK523	FET		
IC1			LA1135	IC(AM)		
TR1 -3			2SC2619	TRANSISTOR		
TR1 -3			2SC2716	TRANSISTOR		
TR1 -3			2SC2814	TRANSISTOR		
FM FRONT-END ASS'Y (W02-0708-05)						
FET1			3SK101	FET		
TR1			2SC2620	TRANSISTOR		
TR2		*	2SC2175	TRANSISTOR		
TR2			2SC2714	TRANSISTOR		
TR3			2SC2995	TRANSISTOR		
SCREW SET (N99-0066-15)						
-			N09-0334-05	SCREW (M5X8)		
-			N09-0335-05	SCREW (M5X16)		
-			N09-0366-05	SCREW (M5X20)		
-			N10-1050-46	HEXAGON NUT		
-			N14-0131-05	NUT		
-			N19-0337-05	FLAT WASHER		
CASSETTE MECHANISM ASS'Y (D40-0391-05)						
3	1B		A53-0674-08	CASSETTE HOLDER		

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9	3B		DD3-0241-08	REEL DISK ASSY		
10	2B,3B		DD1-0073-08	FLYWHEEL ASSY		
11	3A		DD3-0229-08	SLIDER ASSY (MAIN GEAR)		
12	2B		D10-1319-08	SLIDER ASSY (SWITCHING)		
13	2B		D10-1321-08	LEVER (TRIGGER STOP)		
14	2B		D10-1322-08	ARM (FF REV LOCK)		
15	2B		D10-1323-08	SLIDER (FF REV)		
16	2B		D10-1324-08	LEVER (FF REV SP)		
17	2A		D10-1651-08	ARM		
18	2A		D10-1326-08	SLIDER (TAKE UP GEAR PUSH		
19	2B		D10-1328-08	ARM (PINCH ROLLER SP)		
20	3A		D10-1329-08	SLIDER ASSY (FF GEAR)		
21	3A		D10-1330-08	SLIDER ASSY (REW GEAR)		
22	3B		D10-1331-08	ARM (END DETECT,F)		
23	3A		D10-1332-08	ARM (END DETECT,R)		
24	3B		D10-1333-08	SLIDER ASSY (TAKEUP GEAR,F)		
25	3A		D10-1334-08	SLIDER ASSY (TAKEUP GEAT,R)		
26	3A		D10-1335-18	SLIDER (END SENSOR)		
27	3A		D10-1336-08	ARM (TRIGGER)		
28	1A		D10-1337-08	LEVER (SW SP)		
29	2A		D10-1338-08	SLIDER ASSY (PUSH)		
30	2A		D10-1340-08	LEVER (LIFT UP)		
31	1B		D10-1652-08	BRACKET ASSY (FF/REW)		
32	1B		D10-1654-08	LEVER (REW)		
33	1B		D10-1653-08	LEVER (FF)		
34	1B		D10-1344-08	SLIDER (PROG CHANGE)		
35	1B		D10-1345-08	CASE LIFTER		
36	1A		D10-1346-08	SLIDER ASSY (PACK EJECT)		
37	1A		D10-1347-08	SLIDER (CASET DETECT)		
38	2A		D10-1348-08	LEVER (TIMING)		
39	2A		D10-1349-08	ARM (TAKEUP GEAR SP		
40	3A		D10-1350-08	ARM (STOP)		
41	1B		D10-1530-08	SLIDER (MAIN)		
42	2B		D10-1531-08	ARM (FF/REW RELEASE		
43	3B		D10-1532-08	HEAD PANEL ASSY		
44	2A		D10-1533-08	SLIDER ASSY (KEY OFF)		
45	2A		D10-1534-08	PLUNGER (KEY OFF)		
46	2A		D10-1535-18	SLIDER (TRIGGER ARM)		
47	2A		D10-1536-18	SLIDER ASSY (HALF/HEAD PUSH		
48	3B		D13-0185-08	GEAR ASSY (FF)		
49	3A,3B		D13-0186-08	GEAR (TAKEUP)		
50	3A		D13-0187-18	GEAR (FF TAKEUP)		
51	3A		D13-0188-09	CLUTCH ASSY (FF/REW)		
52	3A		D13-0189-18	GEAR (DEVICE,UPPER)		
53	3A		D13-0190-18	GEAR (DEVICE,BOTTOM)		
54	3A		D13-0191-08	GEAR (DEVICE TRIGGER/STOP		
55	2A		D13-0192-08	GEAR (TRIGGER/STOP SP)		
56	2A		D13-0193-08	GEAR (INVERTER)		
57	2A		D13-0194-08	REEL DISK ASSY (TAKEUP)		
58	2B		D13-0331-18	GEAR (MAIN)		
59	2A		D13-0309-08	GEAR (KEY OFF,CAM)		
60	2B		D14-0114-08	PINCH ROLLER ASSY(F)		
61	2A		D14-0115-08	PINCH ROLLER ASSY(R)		
62	3B		D14-0131-08	IDLER (HEAD PANEL)		
63	2B	*	D15-0228-18	PULLEY (INTER MEDIATE)		

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64	1B		D13-0332-08	GEAR		
65	3B		D16-0109-18	BELT (MAIN)		
66	1A		D40-0349-08	MECHANISM ASSY (KEY OFF)		
75	2B		G01-1560-08	TENSION SPRING (FF/REW LOCK)		
76	2B		G01-1561-08	TORSION COIL SPRING(CONTROL)		
77	2B		G01-1562-08	TORSION COIL SPRING(TRGR/STOP)		
78	3A		G01-1564-18	TENSION SPRING (FF/REW GEAR)		
79	3B		G01-1565-08	TENSION SPRING (TAKEUP GEAR)		
80	2A		G01-1566-08	TENSION SPRING (TRIGGER STOP)		
81	2A		G01-1567-08	COMPRESSION SPRING(END DETECT)		
82	2A		G01-1740-08	TENSION SPRING (HALF/HEAD PNL)		
83	2A		G01-1571-08	TENSION SPRING (LIFT UP LEVER)		
84	1B		G01-1572-08	TENSION SPRING (FF/REW LEVER)		
85	1A		G01-1573-08	TORSION COIL SPRING(INVERTER)		
86	1B		G01-1574-08	TENSION SPRING (CASET DETECT)		
87	2A		G01-1575-08	TENSION SPRING (TIMING LEVER)		
88	2B		G01-1734-08	TENSION SPRING (FF RELEASE ARM		
89	3B		G01-1735-08	TENSION SPRING (HEAD PANEL)		
90	1A		G01-1736-08	TENSION SPRING (POWER SWITCH)		
91	2A		G01-1737-08	TORSION COIL SP(KEY OFF GEAR)		
92	2A		G01-1738-08	TORSION COIL SPRING(KEY OFF)		
93	1A		G01-1739-08	COMPRESSION SPRING(PLUNGER)		
94	2A		G01-1569-08	TENSION SPRING (PUSH LEVER)		
96	2B		G02-0174-08	FLAT SPRING (PB HEAD)		
97	2B		G09-0047-08	FORMED WIRE (HEAD SW)		
98	2B		G09-0048-08	FORMED WIRE (FF/REW SP)		
99	2B		G09-0049-08	FORMED WIRE (PINCH ROLLER)		
100	3A		G09-0050-08	ROD (END SENSOR PUSH)		
101	1A		G09-0051-08	FORMED WIRE (PACK EJECT)		
102	1A		G13-0167-08	CUSHION		
103	3A		G16-0112-08	SHEET (SLIP)		
110	2B		J19-2560-08	BRACKET (PLUNGER)		
111	2B		J25-5588-08	PRINTED WIRING BOARD (HEAD)		
112	1A	*	J32-0306-08	BOSS		
113	1A		J25-4671-08	PRINTED WIRING BOARD (BASE)		
114	2A		J31-0242-08	COLLAR (INVERTER GEAR)		
115	2A		J31-0243-08	COLLAR (END DETECT)		
116	2B		J90-0149-08	GUIDE (TAPE)		
117	1A		J90-0150-18	SLIDER (PACK)		
125	2B		L90-0001-08	COIL ASSY (T)		
126	2B		L92-0015-08	CORE		
138	2A		N19-1020-08	FLAT WASHER		
139	2B		N19-1015-08	FLAT WASHER		
140	3A,2B		N19-0894-08	FLAT WASHER		
141	2B		N19-0895-08	FLAT WASHER (FLYWHEEL)		
142	2B		N19-0896-08	FLAT WASHER(REEL ASY,LOCK PLT)		
143	2A,2B		N19-0897-08	FLAT WASHER(PINCH ROLLER ASSY)		
144	3A		N19-0898-08	FLAT WASHER (GEAR 59)		
145	1B		N19-0899-08	FLAT WASHER (PC PLATE 91)		
146	2A,2B		N19-0901-08	FLAT WASHER		
147	1A		N19-0941-08	WASHER (Ø3.6XBXO.2)		
148	2A,2B		N19-0942-08	FLAT WASHER (Ø1.55XØ3.5XO.5		
149	1B		N29-0082-08	E TUPE RETAINING RING(Ø1.5)		

E: Scandinavia & Europe K: USA P: Canada W: Europe
U: PX(Far East, Hawaii) T: England M: Other Areas
UE: AAFES(Europe) X: Australia

⚠ Indicates safety critical components.

PARTS LIST

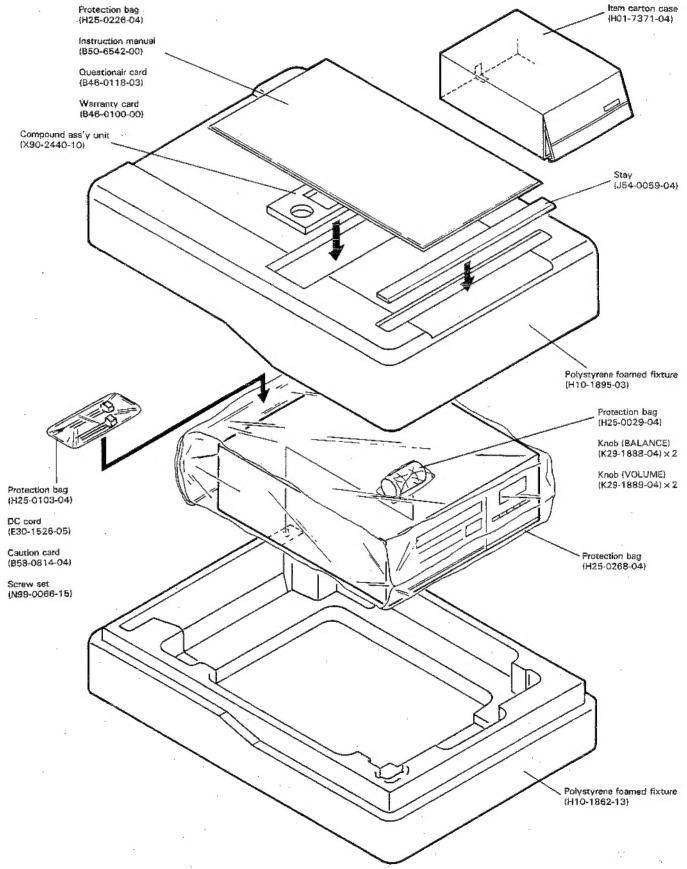
* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名/規格	Destination 仕向	Remarks 備考
150	2A,3B		N24-3012-46	E TYPE RETAINING RING(Ø1.2)		
151	1A		N24-3015-46	E TYPE RETAINING RING(Ø1.5)		
152	2A,1B		N24-3020-46	E TYPE RETAINING RING(Ø2)		
153	2A		N24-3025-45	E TYPE RETAINING RING(Ø2X5)		
A	2B		N09-1402-08	SCREW (CAPSTAN)		
C	2B		N09-1404-08	SCREW (M2X5) TAPE GUIDE 31		
D	2A,2B		N09-1740-08	SCREW (M2X2.5)MOTOR TIMING LVR		
E	2B		N09-1406-08	SCREW (M2X4) PB HEAD 33		
F	2A,2B		N09-1407-08	SCREW (Ø2X3)PM BRCKT 70,PCB 20		
G	3A		N09-1408-08	SCREW (M2X3.5) MG PLT ASY 40		
H	1A,1B		N09-1409-08	SCREW (Ø2X4)LIFTER 93,BRCKT 88		
P	2B		N09-1294-05	SCREW (Ø2X6)		
Q	1A		N09-1525-08	SCREW (Ø2X2.5)		
R	1B		N09-1643-08	SCREW (M2.6X4.5)		
Y	1A	*	N09-1403-08	SCREW (M1.7X3.5)		
S1	2A		S46-1081-05	LEAF SWITCH (MUTING)		
S20	2B	*	S31-3006-08	SLIDE SWITCH		
160	2B	*	T31-0040-08	PLAYBACK HEAD		
161	1B		T42-0090-18	DC MOTOR ASSY		
162	1A		T94-0089-08	SOLENOID		

E: Scandinavia & Europe K: USA P: Canada W: Europe
U: PX(Far East, Hawaii) T: England M: Other Areas
UE: AAFES(Europe) X: Australia

⚠ indicates safety critical components.

PACKING


Protection bag
(H25-0226-04)
Instruction manual
(B50-6542-00)
Questionair card
(B46-0118-03)
Warranty card
(B46-0100-00)
Compound ass'y unit
(X90-2440-10)
Item carton case
(H01-7371-04)
Stay
(J54-0059-04)
Polystyrene foamed fixture
(H10-1895-03)
Protection bag
(H25-0029-04)
Knob (BALANCE)
(K29-1888-04)×2
Knob (VOLUME)
(K29-1889-04)×2
Protection bag
(H25-0268-04)
Protection bag
(H25-0103-04)
DC cord
(E30-1526-05)
Caution card
(B58-0814-04)
Screw set
(N99-0066-15)
Polystyrene foamed fixture
(H10-1862-13)

KRC-5001

SPECIFICATIONS

FM Tuner Section

Frequency Range (200 kHz space) .....87.9 MHz ~ 107.9 MHz
(50 kHz space) .....87.5 MHz ~ 108.0 MHz
Channel Space .....200 kHz/50 kHz
Usable Sensitivity.....15.3 dBf (1.8 μV/75 ohms)
50 dB Quieting Sensitivity .....19.0 dBf (2.4 μV/75 ohms)
Frequency Response (±3 dB) .....30 Hz ~ 15 kHz
Signal to Noise Ratio .....70 dB
Alternate Channel Selectivity.....65 dB
Capture Ratio .....1.5 dB
Image Response Ratio .....65 dB
IF Response Ratio.....70 dB
Stereo Separation (1 kHz).....40 dB

AM Tuner Section

Frequency Range (10 kHz space) .....530 ~ 1,620 kHz
(9 kHz space) .....522 ~ 1,611 kHz
Channel Space.....10 kHz/9 kHz
Usable Sensitivity (30 μV).....30 dB

Cassette Deck Section

Tape Speed.....4.76 cm/s
Wow and Flutter.....0.12% (WRMS)
Fast Winding Time (C-60) .....110 sec
Frequency Response (120 μs).....40 Hz ~ 14 kHz (±3 dB)
(70 μs).....40 Hz ~ 16 kHz (±3 dB)
Stereo Separation (1 kHz) .....37 dB
Signal to Noise Ratio (IEC-A)
NR OFF.....55 dB
Dolby B ON.....64 dB

Audio Section

Maximum Power Output
(1 kHz, 4 ohms) .....20 W + 20 W
Rated Output Power
(10% THD, 1 kHz, 4 ohms).....15 W + 15 W
(1 % THD, 30 Hz ~ 20 kHz, 4 ohms) .....10 W + 10 W

Tone Action .....Bass: 100 Hz ±10 dB
Treble: 10 kHz ±10 dB
Preamp Output .....300 mV/10 k ohms Load
1 V/10 k ohms Load

General

Operating Voltage (GND) .....14.4 V (11 ~ 16 V)
Current Consumption .....7.5 A at Rated Power
Body Size (W × H × D) .....180 × 50 × 140 mm
(7-1/16 × 2-15/16 × 5-1/2 in.)
Weight .....1.8 kg (4.0 lb)

Kenwood follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Kenwood poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

Kenwood strebt ständige Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

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